



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

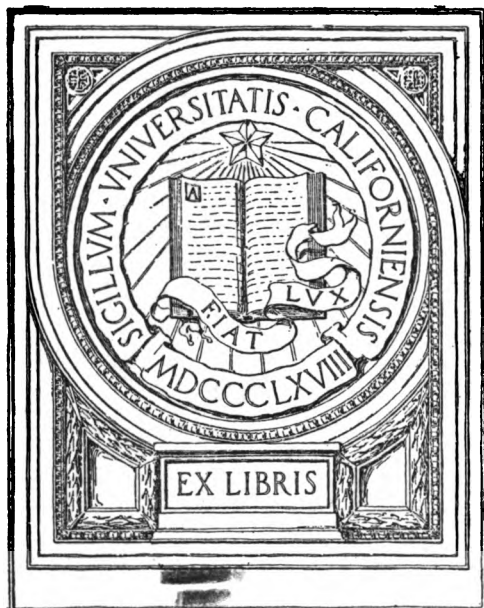
We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

GIFT OF



~~REFERENCE~~

~~CATALOG~~

LIBRARY OF CONGRESS

A LIST OF
AMERICAN DOCTORAL DISSERTATIONS
PRINTED IN 1917

PREPARED BY

KATHARINE JACOBS

CATALOGUE DIVISION

Univ. of
California

WASHINGTON
GOVERNMENT PRINTING OFFICE
1921

- Z. 1008
2149116

1917

~~1917~~
~~1917~~

911 (1917) (1917)

L. C. card, 13-35092

This volume is for sale by the
SUPERINTENDENT OF DOCUMENTS
Government Printing Office
Washington, D. C.
Price, 35 cents

REFERENCE
~~REFERENCE~~

GIFT

70 1000
1000000000

PREFATORY NOTE

The following list of theses has been compiled according to the plan adopted for the list of 1912, in which the method and arrangement are explained on pages 7 to 9 of the introduction by Mr. Charles A. Flagg. Theses received before November 15, 1919, are included in this list; theses received later will appear as a supplement to the list for 1918.

Supplementary lists of theses printed in 1913, 1914, and 1916 are prefixed. They are numbered continuously with the lists of 1913, 1914, and 1916 and distinguished in the subject index (Section III) by the addition of the date.

War service has delayed the issue of the list for 1917 which will be followed immediately by the list for 1918.

KATHARINE JACOBS

In Charge of Theses, Catalogue Division

HERBERT PUTNAM

Librarian of Congress

Washington, D. C., November, 1919

CONTENTS

	Page.
Fourth supplementary list of theses printed in 1913.....	9
Third supplementary list of theses printed in 1914.....	10
Supplementary list of theses printed in 1916.....	11-14
I. Alphabetic list of theses printed in 1917.....	15-93
II. Classified lists.....	95-178
III. Subject index.....	179-191
IV. List of doctors arranged by university.....	193-204

**SUPPLEMENTARY LISTS OF THESES PRINTED
IN 1913, 1914, AND 1916**

(Received too late for 1913, 1914, and 1916 lists)

THE UNIVERSITY OF CHICAGO
LIBRARY
540 EAST 57TH STREET
CHICAGO, ILL. 60637

FOURTH SUPPLEMENTARY LIST OF THESES PRINTED IN 1913

(In continuation of first, second, and third supplementary lists prefixed to
List of Theses printed in 1914, 1915, and 1916)

282 Gillet, Mrs. Myrtle Margaret (Mann)

Die frauen und die frauenverehrung in der höfischen
epik nach Gottfried von Strassburg . . . [Urbana, Ill.,
1913] cover-title, 1 p. l., 28 p.

Smith college, 1912, PH. D.

"This pamphlet is a concise summary of the thesis submitted."

"Published in the Journal of English and Germanic philology, vol.
12, no. 3 (July 1913)"

18-15777

PT151.W7G5

283 Long, Edmond Ray.

. . . Some phases of normal and abnormal purine
metabolism in man and domestic animals . . . [Balti-
more, 1913] 1 p. l.; 449-461; [1], 512-526 p.

University of Chicago, 1919, PH. D.

"Private edition, distributed by the University of Chicago libraries,
Chicago, Illinois."

Reprinted from the Journal of biological chemistry, vol. xv, no. 3,
1913, and from the Journal of experimental medicine, vol. xviii, no. 5,
1913.

19-12685

QP8Q1.P8L7

284 Watson, John Wilbur.

Abstraction of potassium during sedimentation . . .
[Lynchburg, Va., J. P. Bell company, incorporated,
printers, 1913] 30 p.

University of Virginia, 1913, PH. D.

G S 19-171

S593.W2

THIRD SUPPLEMENTARY LIST OF THESES PRINTED IN 1914

(In continuation of first and second supplementary lists prefixed to List of
Theses printed in 1915 and 1916)

317 Clark, Elbert Howard.

... Regeneration of medullated nerves in the absence of embryonic nerve fibers, following experimental non-traumatic degeneration ... [Philadelphia, 1914] 1 p. l., p. 61-111.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of comparative neurology, vol. xxiv, no. 1, February, 1914."

17-30194

QP331.C6

318 Lake, Gleason Chandler, 1883-

... The immunological reactions of the proteins of the human placenta with special reference to the production of a therapeutic serum for malignant chorion-epithelioma ... [Chicago, 1914] 1 p. l., p. 385-401.

University of Chicago, 1914, PH. D.

"Reprinted from the Journal of infectious diseases, vol. 14, no. 2 Chicago, 1914."

19-8334

RG715.L3

**SUPPLEMENTARY LIST OF THESES PRINTED
IN 1916**

379 App, Frank, 1886-

Farm profits and factors influencing farm profits on
370 potato farms in Monmouth County, New Jersey
... [New Brunswick, N. J., 1916] 103 p.

Cornell university, 1919, PH. D.

"Reprinted from New Jersey agricultural experiment station Bul-
letin 294, New Brunswick, N. J., September 20, 1916."

19-15705

SB211.P8A6

380 Boucher, Chauncey Samuel, 1886-

The nullification controversy in South Carolina ...
Chicago, Ill., The University of Chicago press [1916]
xi, 399 p.

University of Michigan, 1914, PH. D.

Published also without thesis note.

18-1105

E384.3.B752

381 De Forest, John Bellows, 1883-

... Old French borrowed words in the Old Spanish
of the twelfth and thirteenth centuries, with special
reference to the Cid, Berceo's poems, the Alexandre
and Fernán González ...

(In The Romanic review. New York, 1916. vol. VII, no. 4, p.
369-413)

Yale university, 1915, PH. D.

Without thesis note.

19-16238

PC1.R7 vol. 7, no. 4

382 Harding, Arthur McCracken.

... On certain loci projectively connected with a
given plane curve ... [Chicago, 1916] 1 p. l., 38 p., 1 l.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries,
Chicago, Illinois."

"Reprinted from Giornale di matematiche di Battaglini, vol. LIV,
1916."

18-1562

QA649.H3

383 **Hutchinson, John Foster, 1893-**

... The absorption coefficient of solutions of cobalt chloride in water and various alcohols for monochromatic radiation ... Easton, Pa., Eschenbach printing co., 1916. 1 p. l., 15, [1] p.

Johns Hopkins university, 1916, PH. D.

17-30186

QC437.H85

384 **Lyon, Darwin Oliver, 1887-**

The relation of quickness of learning to retentiveness ... New York, 1916. v, 60 p., 1 l.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology no. 34."

17-30175

LB1063.L8

385 **MacKenzie, John David, 1888-**

The geology of Graham Island, British Columbia ... [n. p.] 1916. cover-title, 10 p.

Massachusetts institute of technology, 1916, PH. D.

Abstract of thesis.

GS18-231

QE187.M22

386 **Mead, Cyrus De Witt, 1875-**

The relations of general intelligence to certain mental and physical traits ... New York city, Teachers college, Columbia university, 1916. 2 p. l., 117, [1] p.

Columbia university, 1915, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 76.

Chapters II and III are reprinted from the Pedagogical seminary, Dec. 1913, and Sept. 1914.

19-11008

BF721.M42

387 **Overman, Oliver Ralph, 1886-**

Die angebliche bedeutung der salpetrigen säure bei der bildung von stickstoffwasserstoffsäure durch oxydation von hydrazin, by A. W. Browne and O. R. Overman ... [Leipzig, 1916] 1 p. l., p. 217-239.

"Reprint of an article based upon a thesis submitted to the Faculty of the Graduate school of Cornell university for the degree of doctor of philosophy, by Oliver Ralph Overman," 1917.

Reprinted from Zeitschrift für anorganische und allg. chemie, bd. 94, 1916.

19-7022

QD181.N15B82

388 Reber, Louis Ehrhart, jr.

The mineralization at Clifton-Morenci ... [Lancaster, Pa.] Economic geology publishing company [1916] cover-title, [1], 528-573 p.

Yale university, 1916, PH. D.

Without thesis note.

"Reprinted from Economic geology, vol. xi, no. 6, August-September, 1916."

18-2753

TN263.R4

389 Reider, Joseph, 1884-

Prolegomena to a Greek-Hebrew & Hebrew-Greek index to Aquila ... Philadelphia, 1916. 2 p. l., 160 p.

Dropsie college for Hebrew and cognate learning, 1913, PH. D.

Published also in the Jewish quarterly review, new series, vol. iv, no. 3, 1914, p. 321-356; vol. iv, no. 4, 1914, p. 577-620; vol. vii, no. 3, 1917, p. 287-366.

17-28793

BS48.R4

390 Rodgers, Ralph Chapman.

Change of resistance with temperature of various sodium amalgams ... [Lancaster, Pa., and Ithaca, N. Y., 1916] 1 p. l., p. [259]-277.

Cornell university, 1919, PH. D.

"Reprinted from the Physical review, n. s., vol. viii, no. 3, September, 1916."

19-14379

QD181.H65R6

391 Sprengling, Martin.

... Antonius Rhetor on versification ... [Chicago, 1916] 1 p. l., p. 145-216.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the American journal of Semitic languages and literatures, vol. xxxii, no. 3, April 1916."

20-9690

PJ5481.S7

392 Stuckey, Lorin.

The Iowa state federation of labor ... Iowa City, Ia. [The Chesnutt printing company, 1916] 147 p.

University of Iowa, 1915, PH. D.

Published also as Studies in sociology, economics, politics, and history, vol. iv, no. 3.

18-21

HD8055.A6I872

393 Wells, John Edwin, 1875-

A manual of the writings in Middle English, 1050-1400 ... pub. under the auspices of the Connecticut academy of arts and sciences. New Haven, Yale university press; [etc., etc.] 1916. xv p., 1 l., 941 p.

Based on thesis (PH. D.) Yale university, 1915, presented under title: A manual of the writings in Middle English, 1050-1400, exclusive of ballads and cycles of drama.

16-12265

PR255.W4

394 Wright, Philip Quincy.

The enforcement of international law through municipal law in the United States ... [Urbana, 1916] 1 p. l., 5-264 p.

University of Illinois, 1915, PH. D.

Published also as University of Illinois studies in the social sciences, vol. v, no. 1, March 1916.

18-18899

JX1248.W7

SECTION I

**ALPHABETIC LIST OF THESES PRINTED
IN 1917**

15

ALPHABETIC LIST OF THESES PRINTED IN 1917

- 1 **Adams, Eleanor Nathalie.**
 ... Old English scholarship in England from 1566-1800 ... New Haven, Yale university press; [etc., etc.] 1917. 209 p.
 (Yale studies in English, A. S. Cook, editor. LV)
 Yale university, 1914, PH. D.
 17-21736 PE51.A3

- 2 **Alexander, Thomas Rush, 1885-**
 The quantitative determination of chromium ... Washington, Pa., Observer job rooms, 1917. 11 p.
 University of Pennsylvania, 1915, PH. D.
 17-17845 QD181.C7A5

- 3 **Anderson, Harry Warren, 1885-**
 The yeast-like *Fungi* of the human intestinal tract ... [Urbana? 1917] 49, [1] p., 1 l.
 University of Illinois, 1917, PH. D.
 18-27050 QR155.A5

- 4 **Arms, Richard Allen, 1893-**
 ... The notion of number and the notion of class ... Philadelphia, 1917. 74 p.
 University of Pennsylvania, 1917, PH. D.
 17-20522 QA9.A7

- 5 **Armstrong, Mary Emma, 1872-**
 ... The significance of certain colors in Roman ritual ... Menasha, Wis., George Banta publishing company, 1917. vi, 52 p., 1 l.
 Johns Hopkins university, 1915, PH. D.
 18-1566 BL808.A6

- 6 **Auweiler, Edwin J., 1881-**
 The "Chronica fratris Jordani a Giano," ... Washington, D. C. [National capital press, inc.] 1917. 63, [1] p.
 Catholic university of America, 1917, PH. D.
 17-22868 BX3634.J6A8
 158464-21—2 17

7 Ayres, Arthur Hugo, 1889-

Influence of the composition and concentration of the nutrient solution on plants grown in sand cultures ... [Berkeley, 1917] cover-title, p. [341]-394.

University of California, 1916, PH. D.

Thesis t.-p. mounted on the cover of the original issue which was published as University of California publications in agricultural sciences, v. 1, no. 11, January 31, 1917.

17-13597

QK746.A9

8 Baker, Louis Charles.

The German drama in English on the New York stage to 1830 ... [Philadelphia] University of Pennsylvania, 1917. 5 p. l., 168 p.

(Americana germanica, no. 31)

University of Pennsylvania, 1914, PH. D.

17-25971

PN2277.N5B3

9 Ball, Theodore Rolly.

Heterogeneous equilibria between aqueous and metallic solutions. The interaction of mixed salt solutions and liquid amalgams. A study of the ionization relations of sodium and potassium chlorides and sulfates in mixtures ... [Easton, Pa., 1917] 44 p., 1 l.

University of Illinois, 1916, PH. D.

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 2, page 179."

17-30176

QD543.B18

10 Barker, Elmer Eugene, 1887-

Heredity studies in the morning-glory (*Ipomoea purpurea* [L.] Roth) ... [Ithaca, 1917] 38 p.

Cornell university, 1914, PH. D.

"Published as Bulletin number 392 of the Cornell university agricultural experiment station, July, 1917."

18-7759

QH431.B25

11 Barstow, Marjorie Latta.

... Wordsworth's theory of poetic diction; a study of the historical and personal background of the lyrical ballads ... New Haven, Yale university press; [etc., etc.] 1917. xv, 191 p.

(Yale studies in English, A. S. Cook, editor. LVII)

Yale university, 1916, PH. D.

17-19160

PR5888.B3

12 Bateman, William George, 1883-

The digestibility and utilization of egg proteins. The use of raw eggs in practical dietetics ... [New Haven? 1917] cover-title, 263-291, [1]-15 p.

Yale university, 1916, PH. D.

Part of thesis.

The first part is reprinted from the Journal of biological chemistry, vol. xxvi, no. 1, 1916; the second part from American journal of the medical sciences, June, 1917, no. 6, vol. clxiii, p. 841.

17-22100

TX556.E4B3

13 Baugh, Albert Croll, 1891- , ed.

... William Haughton's Englishmen for my money; or, A woman will have her will, ed., with introduction and notes, by Albert Croll Baugh ... Philadelphia, 1917. 236 p.

University of Pennsylvania, 1915, PH. D.

Includes reproductions of title-pages of the London editions of 1616, 1626 and 1631.

17-21805

PR2549.H6E5 1917

14 Bear, Firman Edward.

A correlation between bacterial activity and lime requirement of soils ... [Baltimore, 1917] cover-title, p. 433-462.

University of Wisconsin, 1917, PH. D.

Thesis note stamped on cover.

"Reprinted from Soil science, vol. iv, no. 6, December, 1917."

18-15697

S643.B4

15 Bedford, Edgar Alden.

The epinephric content of the blood in conditions of low blood pressure and shock ... [Baltimore, The Waverly press, 1917] cover-title, p. 235-257.

New York university, 1916, sc. D.

"Reprinted from the American journal of physiology, vol. XLIII, no. 2, May, 1917."

17-19394

RB145.B4

16 **Bell, Herbert Clifford**, 1881-

... Studies in the trade relations of the British West Indies and North America, 1763-1773; 1783-1793 ... Philadelphia, 1917. 1 p. l., p. [429]-441, 272-287.

University of Pennsylvania, 1909, PH. D.

Reprinted from the English historical review, July 1916, p. [429]-441; from the American historical review, vol. xxii, no. 2, January 1917, p. 272-287.

17-15932

HF3079.B4

17 **Benger, Ernest Baden**.

The reduction of selenic acid. The reduction of telluric acid ... [Easton, Pa., 1917] [2171]-2179, [1], 2180-2183 p.

University of Wisconsin, 1917, PH. D.

Abstract of thesis.

Title taken from type-written slip mounted on cover.

Thesis note stamped on cover; foot-note on p. [2171] and p. [2179]

"Reprinted from the Journal of the American chemical society, vol xxxix, no. 10, October, 1917."

18-16383

QDI81.S5B4

18 **Birch, Raymond Russell**, 1881-

Hog cholera transmission through infected pork ... [Ithaca, 1917] [30] p.

Cornell university, 1916, PH. D.

"Reprinted from the Journal of the American veterinary medical association, vol. LI. n. s., vol. 4, no. 3, June, 1917."

17-18830

SF973.B5

19 **Bishop, Fred Margeson**.

The ionization potential of electrodes in various gases ... [Lancaster, Pa., and Ithaca, N. Y., 1917] cover-title, [1], [244]-252 p.

Yale university, 1917, PH. D.

Without thesis note.

"Reprinted from the Physical review, n. s., vol. x, no. 3, September 1917."

17-31409

QC702.B65

20 Blanchard, Ralph Harrub, 1890-

... Industrial accidents and workmen's compensation ... New York, London, D. Appleton and company, 1917. 2 p. l., 3-78 p.

University of Pennsylvania, 1916, PH. D.

Published also as parts I-II of the author's Liability and compensation insurance.

17-30167

HD7816.U6B6

21 Bock, Joseph Carl, 1884-

The determination and occurrence of amino-acids in the blood ... N[ew] Y[ork] Riverside press, 1917. 47 p.

Cornell university, 1917, PH. D.

17-22105

RB145.B6

22 Boncquet, Pierre Auguste, 1882-

Bacillus morulans, n. sp. ... [Baltimore, 1917] cover-title, p. [269]-289.

University of California, 1915, PH. D.

Thesis t.-p. attached to issue which was reprinted from Phytopathology, vol. VII, no. 4, August, 1917.

18-3835

SB608.B4B6

23 Boots, Ralph Simpson, 1887-

The direct primary in New Jersey ... New York, 1917. 3 p. l., 347, [3] p.

Columbia university, 1917, PH. D.

17-22109

JK2075.N52B6

24 Boutwell, Paul Winslow.

... The phytic acid of the wheat kernel and some of its salts ... [Easton, Pa., 1917] cover-title, p. [491]-503.

University of Wisconsin, 1916, PH. D.

Abstract of thesis.

Thesis note in foot-note on p. [491] and also stamped on cover.

"Reprinted from the Journal of the American chemical society, vol. XXXIX, no. 3. March, 1917."

17-22096

QK866.W5B6

25 Bovard, William Miller, 1892-

Inclusions in silver voltameter deposits and the electrochemical equivalent of silver ... Easton, Pa., Eschenbach printing co., 1917. 29, [1] p.

Princeton university, 1917, PH. D.

17-30013

QC615.B6

26 Bown, Ralph, 1891-

Internal relations in audion-type radio receivers ...
Lancaster, Pa., Press of the New era printing company,
1917. 1 p. l., p. [253]-265.

Cornell university, 1917, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 3, September,
1917."

17-31870

TK5865.B7

27 Boyce, Warren Scott, 1878-

Economic and social history of Chowan County,
North Carolina, 1880-1915 ... New York, 1917. 296 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed.
by the Faculty of political science of Columbia university. vol.
LXXVI, no. 1, whole no. 179.

17-31307

HC107.N8B62

28 Brainin, Clement S., 1887-

... An experimental investigation of the total emis-
sion of X-rays from certain metals ... Lancaster,
Pa., Press of the New era printing company, 1917.
1 p. l., p. [461]-472, 1 l.

(Phoenix physical laboratory contributions no. 36)

Columbia university, 1917, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 5, November,
1917."

18-7761

QC481.B83

29 Braley, Silas Alonzo.

Heterogeneous equilibria between aqueous and
metallic solutions. The interaction of mixed salt
solutions and liquid amalgams. A study of the ioniza-
tion relations of sodium and strontium chlorides in
mixtures ... [Easton, Pa., 1917] 36 p., 1 l.

University of Illinois, 1917, PH. D.

"Reprinted from the Journal of the American chemical society, vol.
xxxix, no. 8, page 1545."

17-27482

QD543.B8

- 30 **Brewster, Ethel Hampson**, 1886—
 Roman craftsmen and tradesmen of the early empire
 ... Menasha, Wis., George Banta publishing company,
 1917. xiv, 101 p.
 University of Pennsylvania, 1915, PH. D.
 18-574 DG107.B8
- 31 **Brigham, Carl Campbell**, 1890—
 Variable factors in the Binet tests ... Princeton,
 Princeton university press, 1917. 3 p. l., 92, [249]—
 254 p.
 Princeton university, 1916, PH.D.
 Published also as pt. I of his "Two studies in mental tests."
 17-22012 LB1131.B7
- 32 **Brigham, Reed Oshea**, 1888—
 ... Assimilation of organic nitrogen by *Zea mays*
 and the influence of *Bacillus subtilis* on such assimilation ... [Baltimore, 1917] cover-title, 155-195, [1]
 p., 1 l.
 University of Michigan, 1916, PH. D.
 "Publication no. 156, Botanical department, University of Michigan. Reprint from Soil science, vol. 3, no. 2, February, 1917."
 18-2459 S651.B7
- 33 **Brown, William Stephen**, 1892—
 The electric strength of air at atmospheric pressure
 under alternating and continuous potentials ... [New
 York, 1917] cover-title, p. 159-188.
 Johns Hopkins university, 1916, PH. D.
 Caption title: The electric strength of air.—vii, by J. B. Whitehead
 and W. S. Brown.
 17-15955 QC643.B8
- 34 **Bruce, Everend Lester**, 1884—
 ... Geology and ore-deposits of Rossland, B. C. ...
 Victoria, B. C., Printed by W. H. Cullin, 1917. 35 p.
 (British Columbia. Department of mines ... Bulletin no. 4,
 1917)
 Columbia university, 1915, PH. D.
 17-28069 TN27.B73 no. 4, 1917

35 Brumfiel, Daniel Milton.

The animal ecology of Johnson County, a preliminary survey of the major animal habitats of Johnson County, Iowa, with an atlas ... [Iowa City ? 1917] 37 p., 1 l.

University of Iowa, 1917, PH. D.

19-8252

QL176.B8

36 Buisson, Johannes Petrus du.

The extraction and saturation of soils with volatile antiseptics ... [Baltimore, 1917] 1 p. l., 353-391, [1] p., 1 l.

Cornell university, 1916, PH. D.

"Reprinted from Soil science, vol. III, no. 4, April, 1917."

17-30741

S593.B9

37 Bullard, James Atkins.

On the structure of finite continuous groups ... [Baltimore, 1917] [1], [430]-450 p.

Clark university, 1917, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix, no. 4, October, 1917."

18-2803

QA385.B89

38 Burget, George Emanuel.

... Attempts to produce experimental thyroid hyperplasia ... [Boston, 1917] 1 p. l., p. 492-503.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the American journal of physiology, vol. 44, no. 4, November, 1917."

18-3813

QP187.B8

39 Burkhard, Oscar Carl.

... Die behandlung der vorgeschichte in der exposition bei Schiller ... [Menasha, Wis., 1917] 1 p. l., 70 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted with changes from the Ottendorfer series of Germanic monographs, no. 5."

Published in full (vii, 117 p.) in 1916, with title: Die exposition bei Schiller.

17-30163

PT2494.B8

40 Burkholder, Walter H., 1891-

The anthracnose disease of the raspberry and related plants . . . [Ithaca, N. Y., 1917] 1 p. l., p. 155-183.

Cornell university, 1917, PH. D.

"Reprint of Cornell university agricultural experiment station Bulletin 395, November, 1917."

18-18154

SB741.A55B8

41 Bussey, Gertrude Carman, 1888-

Typical recent conceptions of freedom . . . Greenfield, Mass., Press of T. Morey & son, 1917. viii, 101 p., 1 l.

Northwestern university, 1915, PH. D.

"Chapters II and VII (with some changes) have appeared in the Monist and the Philosophical review."

18-5312

BF621.B88

42 Buswell, Arthur Moses:

Studies in the disinfection of tannery wastes . . . [Easton, Pa.] 1917. 31 p.

Columbia university, 1917, PH. D.

"Reprinted from the Journal of the American leather chemists' association, June, 1917."

17-21820

QR201.A6B8

43 Campbell, John William, 1889-

. . . Periodic solutions of the problem of three bodies in three dimensions . . . [London, 1917] 1 p. l., [43]-83, [1] p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Proceedings of the London mathematical society, series 2, vol. 16, parts 1 and 2."

17-30190

QB362.C3

44 Carman, Joel Ernest.

. . . The Pleistocene geology of northwestern Iowa . . . Des Moines, 1917. 2 p. l., p. [235]-445.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Iowa geological survey, volume xxvi, Annual report for 1915."

18-8334

QE696.C35

45. **Carothers, Estella Eleanor, 1882-**

The segregation and recombination of homologous chromosomes as found in two genera of *Acrididae* (*Orthoptera*) . . . [Baltimore, The Waverly press, 1917] cover-title, p. 445-521.

University of Pennsylvania, 1916, PH. D.

"Reprinted from the Journal of morphology, vol. 28, no. 2, March, 1917."

17-15944

QH605.C3

46 **Cary, William Ernest.**

. . . Studies on virulence and toxin formation in *B. diphtheriae* . . . [Chicago, 1917] 30 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of infectious diseases, vol. 20, no. 3, March, 1917."

17-15956

QR201.D5C3

47 **Clemens, Wilbert Amie, 1887-**

An ecological study of the mayfly *Chirotenetes* . . . [Toronto, 1917] 3 p. l., [5]-43 p.

Cornell university, 1915, PH. D.

"Reprinted from University of Toronto studies, Biological series, no. 17."

17-30192

QL513.E7C6

48 **Coad, Oral Sumner, 1887-**

William Dunlap; a study of his life and works and of his place in contemporary culture . . . New York, The Dunlap society, 1917. xiii, 313 p.

Columbia university, 1917, PH. D.

Without thesis note.

17-19157

PS1561.C6

49 **Colman, George Tilden.**

. . . Certain movements in England and America which influenced the transition from the ideals of personal righteousness of the seventeenth century to the modern ideals of social service . . . [Menasha, Wis., 1917] 4 p. l., 107 p.

University of Chicago, 1914, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1917."

18-1565

BJ301.C6

50 Compton, Arthur Holly, 1892-

The intensity of X-ray reflection, and the distribution of the electrons in atoms ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [29]-57.

Princeton university, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 1, January, 1917."

17-20520

QC481.C6

51 Conant, James Bryant.

Studies in the cyclopropane series. By E. P. Kohler and J. B. Conant.

(In American chemical society journal ... Easton, Pa., 1917. vol. xxxix, no. 7, p. 1404-1420, 1699-1715)

Harvard university, 1916, PH. D.

Without thesis note.

18-13271

QD1.A5 vol. 39, no. 7

52 Conel, Jesse Le Roy, 1883-

The urogenital system of myxinoids ... [Boston, 1917] 1 p. l., 75-163 p., 1 l.

University of Illinois, 1916, PH. D.

"Contribution from the Zoological laboratory of the University of Illinois. no. 92."

"Reprinted from Journal of morphology, vol. 29, no. 1, June, 1917."

18-1120

QL638.1.C7

53 Corley, Ames Haven.

... Word-play in the Don Quixote ... New York [etc.] 1917. 2 p. l., 49 p.

Yale university, 1914, PH. D.

"Extrait de la Revue hispanique, tome XL."

18-6681

PQ6361.C7

54 Corson, Harry Peach, 1887-

Manganese in water supplies ... [Urbana, Illinois state water survey, 1917] 66 p.

University of Illinois, 1915, PH. D.

17-25759

QD142.C7

55 Counts, George Sylvester.

... Arithmetic tests and studies in the psychology of arithmetic ... Chicago, Ill., The University of Chicago press, 1917. iv, 127 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. i, no. 4."

17-30011

QA135.C66 1917a

56 Cowles, Frank Hewitt, 1884-

Gaius Verres; an historical study ... Ithaca, N. Y.
[Press of Andrus & Church, 1917] 3 p. l., 207 p.

Cornell university, 1916, PH. D.

Published also as Cornell studies in classical philology, v. 20, 1917.
17-21937 DG260.V4C7

57 Cox, Lewis Clark, 1882-

The finite groups of birational transformations of a
net of cubics ... [Baltimore, 1917] 1 p. l., p. [59]-74.

Cornell university, 1915, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix,
no. 1, January, 1917."

17-8753

QA601.C77

58 Crafer, Thomas Woodside Bentley.

Public poor relief ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917.
vol. i, p. [7]-18)

University of Wisconsin, 1907, PH. D.

Abstract of thesis.

19-16886

AS36.W77 vol. i

59 Cronin, Sarah Elizabeth.

Geometric properties completely characterizing all
the curves in a plane along which the constrained mo-
tion is such that the pressure is proportional to the
normal component of the acting force ... Lancaster,
Pa., Press of the New era printing company, 1917.
viii, 34 p.

Columbia university, 1917, PH. D.

17-21812

QA643.C8

60 Crosby, Elizabeth Caroline.

... The forebrain of *Alligator mississippiensis* ...
[Philadelphia, 1917] 1 p. l., p. 325-402.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libra-
ries."

"Reprinted from the Journal of comparative neurology, vol. 27, no.
3, 1917."

17-15960

QL937.C85

61 Crowell, William Ransom, 1879-

The effect of temperature and duration of reaction on the formation of light oils in coal carbonization at atmospheric pressure ... Easton, Pa., Eschenbach printing company, 1917. 2 p. l., 23, [1] p.

Columbia university, 1917, PH. D.
17-20527

TP685.C7

62 Cullen, Glenn Ernest, 1890-

The electrometric titration of the plasma as a measure of its alkaline reserve ... [Baltimore, 1917] 1 p. l., 369-388, [411]-456 p., 1 l.

Columbia university, 1917, PH. D.
Studies of acidosis. III.

"Reprinted from the Journal of biological chemistry, vol. xxx, no. 2, June, 1917."
18-8130

RB145.C8

63 Cumberland, William Wilson, 1890-

Cooperative marketing, its advantages as exemplified in the California fruit growers exchange ... Princeton, N. J., Princeton university press; [etc., etc.] 1917. viii, 226 p.

Princeton university, 1916, PH. D.
Published also without thesis note.
17-30166

HD9246.C82

64 Curtis, Eugene Newton, 1880-

The French assembly of 1848 and American constitutional doctrines ... New York, 1917. 2 p. l., 7-359 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, edited by the Faculty of political science of Columbia university, vol. LXXIX, no. 2, whole no. 184.

18-7525

JN2539.C79

65 Cushman, Robert Eugene, 1889-

Excess condemnation ... New York and London, D. Appleton and company, 1917. x p., 1 l., 323 p., 1 l.

Columbia university, 1917, PH. D.

Published also in the National municipal league series.

17-30169

HD3865.A4C82

66 Dale, Julian Kalfus, 1889-

Studies on the forms of *d*-glucose and their mutarotation ... [Easton, Pa., 1917] 1 p. l., [5]-14 p.

Princeton university, 1914, PH. D.

Reprinted from the Journal of the American chemical society, v. 39, no. 2, February 1917, p. 320-328.

17-21814

QD321.D3

67 Darkow, Angela Charlotte, 1889-

The spurious speeches in the Lysianic corpus ... Bryn Mawr, Pa., 1917. 95, [1] p.

Bryn Mawr college, 1914, PH. D.

17-12942

PA

68 Davies, Earl Claudius Hamilton.

... The orientation of molecules in the surfaces of liquids. The energy relations at surfaces, solubility, adsorption, emulsification, molecular association, and the effect of acids and bases on interfacial tension ... [Easton, Pa., 1917] 1 p. l., 56 p.

University of Chicago, 1917, PH. D.

"Private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 4, April, 1917."

17-31411

QC183.D25

69 Davis, Harold Simmonds.

Improvements in calorimetric combustion, and the heat of combustion of toluene. By Theodore W. Richards and Harold S. Davis ...

(In American chemical society journal ... Easton, Pa., 1917, vol. xxxix, no. 3, p. 341-354)

Harvard university, 1914, PH. D.

Without thesis note.

18-13270

QD1.A5 vol. 39, no. 3

70 Davis, Joseph Stancliffe.

Essays in the earlier history of American corporations ... Cambridge, Harvard university press; [etc., etc.] 1917. 2 v.

(Half-title: Harvard economic studies ... vol. xvi)

Harvard university, 1913, PH. D.

Without thesis note.

17-12885

HD2785.D3

71 **Debel, Niels Henriksen, 1883-**

The veto power of the governor of Illinois ...
Urbana, Ill., 1917. 2 p. l., 7-149, [1] p.

University of Illinois, 1916, PH. D.

"Reprinted from the University of Illinois studies in the social sciences, vol. VI, nos. 1 and 2."

17-19611

JK5753.V4D42

72 **De Busk, Burchard Woodson.**

The vital index in development ... [Worcester,
1917] 1 p. l., 18 p.

Clark university, 1915, PH. D.

"Reprinted from the Pedagogical seminary, March, 1917, vol. xxiv."

17-19389

LB1121.D4

73 **De Kruif, Paul Henry, 1890-**

The primary toxicity of normal serum ... Chicago
[1917] 1 p. l., p. [717]-775.

University of Michigan, 1916, PH. D.

"Reprinted from the Journal of infectious diseases, vol. 20, no. 6,
June, 1917."

17-21816

QR185.D45

74 **Denny, Frank Earl.**

... Permeability of certain plant membranes to
water ... [Chicago, 1917] 1 p. l., p. 373-397.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 5, May 1917."

"Contributions from the Hull botanical laboratory 230."

17-21815

QK725.D45

75 **Devlin, Sister Mary Ruth, 1868-**

The pedagogical value of willingness for disinterested
service as developed in the training school of the state
teacher and in the religious novitiate and the religious
life ... Washington, D. C. [National capital press,
inc.] 1917. 154 p.

Catholic university of America, 1917, PH. D.

17-23815

LC379.D4

76 Dickey, Robert William, 1891-

The application of the plane grating to the determination of the index of refraction of a gas with values for air from $\lambda 2500$ to $\lambda 6500$... [Chicago, 1917] 1 p. l., p. 189-205.

Johns Hopkins university, 1916, PH. D.

Reprinted from the Astrophysical journal, vol. XLV, no. 3, April, 1917.

17-30179

QC387.D5

77 Dickson, John Bernard.

A study of methods for determining heats of neutralization at different temperatures ... [Boston] 1917. 14 p.

Massachusetts institute of technology, 1917, PH. D.

Abstract of thesis.

18-3087

QD511.D5

78 Dolmage, Victor, 1887-

The geology of the Telkwa River district, British Columbia ... [n. p.] 1917. 9 p.

Massachusetts institute of technology, 1917, PH. D.

Abstract of thesis.

G S 17-443

QE187.D6

79 Dotterer, Ray Harbaugh, 1880-

The argument for a finitist theology ... Lancaster, Pa., Press of the New era printing company, 1917. v, 83 p.

Johns Hopkins university, 1917, PH. D.

18-4369

BD411.D7

80 Doubt, Sarah Lucinda.

... The response of plants to illuminating gas ... Chicago, Ill., 1917. 1 p. l., p. 209-224.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 3."

"Contributions from the Hull botanical laboratory 227."

17-15946

QK751.D7

81 Douthitt, Herman, 1886—

... The structure and relationships of *Diplocaulus*
 ... Chicago, Ill., The University of Chicago press,
 1917: 41 p.

University of Chicago, 1916, PH. D.

"Contributions from Walker museum, vol. II, no. 1."

17-31415

QE868.S8D7

82 Dowell, Carr Thomas, 1878—

Experiments with nitrogen chloride, and reactions between chlorine and ammonia ... [Easton, Pa., 1917]
 cover-title, p. [896]—913.

University of California, 1915, PH. D.

Thesis t.-p. attached to the cover of the issue reprinted from the Journal of the American chemical society, vol. XXXIX, no. 5, May, 1917, which has title: Experiments with nitrogen trichloride, by C. T. Dowell and William C. Bray. The reactions between chlorine and ammonia, by William C. Bray and C. T. Dowell.

17-30187

QD181.N1D7

83 Dunn, Grace Adelaide, 1890—

A study of the development of *Dumontia filiformis*
 ... [Chicago, 1917] 1 p. l., 425—467, [1] p.

Johns Hopkins university, 1915, PH. D.

Reprinted from the Botanical gazette, vol. LXIII, no. 6, June, 1917.

"Botanical contribution from the Johns Hopkins university, no. 55."

17-20519

QK643.D8D8

84 Dunn, William Edward, 1888—

... Spanish and French rivalry in the Gulf region of the United States, 1678—1702; the beginnings of Texas and Pensacola ... Austin, Tex., The University [1917]
 238 p., 1 l.

(University of Texas bulletin. no. 1705: Jan. 20, 1917)

Columbia university, 1917, PH. D.

"Studies in history no. 1."

Published also without thesis note.

17-18988

F296.L922

158464-21—-3

85 Dupler, Alphaeus William.

... The gametophytes of *Taxus canadensis* Marsh
... [Chicago, 1917] 1 p. l., p. 115-136.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries,
Chicago, Illinois."

"Contributions from the Hull botanical laboratory 234."

"Reprinted from the Botanical gazette, vol. LXIV, no. 2, August
1917."

17-30181

QK652.D8

86 Durant, William James, 1885-

Philosophy and the social problem ... New York,
The Macmillan company, 1917. 2 p. l., vii-x p., 1 l.
272 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

17-30598

B63.D9 1917 a

87 Eaton, Theodore Hildreth, 1877-

A study of organization and method of the course of
study in agriculture in secondary schools ... New
York city, Teachers college, Columbia university, 1917.
2 p. l., 185, [1] p.

Columbia university, 1917, PH. D.

Published also as Contributions to education, Teachers college,
Columbia university, no. 86.

18-9785

S533.E32

88 Ecker, Enrique Eduardo.

... The pathogenic effect and nature of a toxin pro-
duced by *B. paratyphosus* B ... [Chicago, 1917]
15 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libra-
ries, Chicago, Illinois."

"Reprinted from the Journal of infectious diseases, vol. XXI, no. 6,
December 1917."

18-20421

QR201.P3E3

89 **Edwards, George William, 1891-**

New York as an eighteenth century municipality,
1731-1776 ... New York, 1917. 2 p. l., 7-207 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law,
edited by the Faculty of political science of Columbia university.
vol. LXXV, no. 2, whole no. 178.

17-29845

JS1226.E42

90 **Efros, Israel Isaac, 1890-**

... The problem of space in Jewish mediaeval philosophy ... New York, Columbia university press, 1917.
5 p. l., 125 p., 1 l.

(Columbia university oriental studies. vol. xi)

Columbia university, 1916, PH. D.

19-4883

B757.S8E3

91 **Ehrlich, Jacob, 1892-**

The synthesis of certain substituted pyrogallol ethers,
including a new acetphenetide, derived from the ethyl
ether of syringic acid; and the solubilities in water of the
monohydrate of 2, 6-dimethoxyacetphenetide ...
New York city, W. D. Gray, 1917. 25, [1] p., 1 l.

Columbia university, 1917, PH. D.

17-21818

QD341.E7E55

92 **Elliott, John Asbury, 1887-**

Taxonomic characters of the genera *Alternaria* and
Macrosporium ... [Lancaster, Pa., Press of the New
era printing company, 1917] 1 p. l., p. 439-476, 1 l.

University of Illinois, 1916, PH. D.

"Reprinted from the American journal of botany, 4 ... October,
1917."

18-3086

QK625.A4E4

93 **Ellison, Lee Monroe.**

... The early romantic drama at the English court...
[Chicago, 1917] vii, 147 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago
libraries."

"A trade edition is published by the Collegiate press, George Banta
publishing company, Menasha, Wisconsin, 1917."

17-20969

PR635.C7E5

94 **Emmet, Boris, 1885-**

Profit sharing in the United States ... Washington, D. C., 1917. cover-title, 188 p.

Johns Hopkins university, 1917, PH. D.

Published also as Bulletin of the U. S. Bureau of labor statistics, whole number 208, miscellaneous series, no. 13. Includes also the t.-p. of the original issue.

17-18837

HD2984.E5 1917 a

95 **Engelder, Carl John, 1890-**

Studies in contact catalysis ... [Ithaca, N. Y., 1917]
[1], [676]-704 p.

Cornell university, 1917, PH. D.

"Reprinted from Journal of physical chemistry, vol. 21, p. 676 (1917)."

18-15671

QD501.E6

96 **Erb, Frank Otis.**

... The development of the young people's movement ... [Chicago, 1917] 1 p. l., v-vi, 122 p.

University of Chicago, 1913, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published by the University of Chicago press, Chicago, Illinois, 1917."

17-6367

BV940.E72

97 **Evans, Eldon Cobb.**

... A history of the Australian ballot system in the United States ... [Chicago, 1917] v, 102 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the University of Chicago press, Chicago, Illinois, 1917."

17-28071

JK2215.E82

98 **Evans, Ward Vinton, 1883-**

The surface tensions of the co-existing layers of the mutually soluble liquid systems, phenol-water, amyl alcohol-water, and triethylamine-water ... Easton, Pa., Eschenbach printing company, 1917. 34 p., 1 l.

Columbia university, 1917, PH. D.

17-20516

QC183.E8

99 Filbey, Edward Joseph.

The supplementary participle in Herodotus ...
Urbana, Ill., 1917. 71 p.

University of Wisconsin, 1908, PH. D.
17-21801

PA

100 Finch, Vernor Clifford.

... Geography of the world's agriculture. By V. C. Finch ... and O. E. Baker ... Washington, Govt. print. off., 1917. 149 p.

University of Wisconsin, 1916, PH. D.
Thesis note stamped on cover.
Agr 18-249

S439.F6

101 Fisher, John Roberts, 1882- . . . ed.

La vie de Saint Eustache, par Pierre de Beauvais; pub. for the first time from the manuscripts of London and Paris, with introduction, notes and index, by John Roberts Fisher ... Lancaster, Pa., Press of the New era printing company, 1917. iii, 69, [1] p.

Columbia university, 1916, PH. D.
"Reprinted from the Romanic review, vol. VIII., no. 1, January-March, 1917."
A free rendering (in verse) of an earlier Latin version.
18-20423

PQ1501.P5V5

102 Fisher, Lizette Andrews, 1868-

The mystic vision in the Grail legend and in the Divine comedy ... New York, Columbia university press, 1917. x p., 1 l., 148 p., 1 l.

(*Half-title:* Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.
Published also without thesis note.
17-14984

PN686.G7F5 1917 a

103 Fitch, Albert Lewis, 1887-

Counter. electromotive force in the aluminum rectifier ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [15]-28.

University of Michigan, 1916, PH. D.
"Reprinted from the Physical review, n. s., vol. ix, no. 1, January, 1917."

17-13738

QC603.F6

104 **Folsom, Joseph Kirk, 1893-**

A statistical study of character ... Worcester, Mass., 1917. 1 p. l., 47 p.

Columbia university, 1917, PH. D.

"Reprinted, slightly enlarged, from Pedagogical seminary, vol. xxiv, pp. 399-440."

18-7737

BF818.F6

105 **Forbes, Robert Humphrey, 1867-**

Certain effects under irrigation of copper compounds upon crops ... [Berkeley, 1917] cover-title, p. [395]-494, 1 l.

University of California, 1916, PH. D.

Thesis t.-p. mounted on cover of original issue, which was published as University of California publications in agricultural sciences, v. 1, no. 12, April 7, 1917.

"Paper no. 31, Citrus experiment station, College of agriculture, University of California, Riverside, California."

17-17848

QK751.F6

106 **Freiberg, George William, 1892-**

... Studies in the mosaic diseases of plants ... [St. Louis? 1917] cover-title, p. 175-232.

(Washington university doctoral dissertations)

Washington university, St. Louis, 1917, PH. D.

"Publications of Washington university, Saint Louis, series v, number 28."

"Reprinted from Annals of the Missouri botanical garden, April, 1917, vol. iv, no. 2."

18-8155

SB741.M75F8

107 **Funkhouser, William Delbert.**

Biology of the *Membracidae* of the Cayuga Lake basin ... [Ithaca, N. Y., 1917] 2 p. l., p. 177-445.

Cornell university, 1916, PH. D.

"Reprinted from Cornell university agricultural experiment station Memoir 11, June 1917."

19-7706

QL523.M4F9

108 **Fussler, Karl Hartley, 1887-**

The actinium-uranium ratio in Colorado carnotite ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., [1], [142]-147 p.

University of Pennsylvania, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 2, February, 1917."

17-11854

QC721.F8

109 Gangloff, Wilmer Charles, 1893-

The action of anhydrous aluminium chloride upon unsaturated organic compounds ... Columbus, O., 1917. 31 p.

Ohio state university, 1917, PH. D.
18-9974

QD305.H5G3

110 Gano, Laura Campbell.

... A study in physiographic ecology in northern Florida ... [Chicago, 1917] 1 p. l., p. 337-372.

University of Chicago, 1912, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 5, May 1917."

"Contributions from the Hull botanical laboratory 229."

17-20517

QK941.F6G2

111 Garman, Philip, 1891-

The *Zygoptera*, or damsel-flies of Illinois ... [Urbana, 1917] 2 p. l., [411]-587, [1] p.

University of Illinois, 1916, PH. D.

"Bulletin of the Illinois state laboratory of natural history, vol. XII, art. IV."

"Contributions from the Entomological laboratories of the University of Illinois, no. 53."

17-30182

QL513.O2G3

112 Gates, Arthur Irving, 1890-

Recitation as a factor in memorizing ... New York [University printing office, Columbia university] 1917. 4 p. l., 104 p., 1 l.

Columbia university, 1917, PH.D.

"Reprinted from Archives of psychology no. 40."

18-7937

LB1063.G3

113 Geiling, Eugene Maximilian Karl, 1891-

The nutritive value of the diamino acids occurring in proteins for the maintenance of adult mice ... [Baltimore, 1917] 2 p. l., p. 173-199, 1 l.

University of Illinois, 1917, PH. D.

"Reprinted from the Journal of biological chemistry, vol. XXXI, no. 1, 1917."

19-13237

QP551.G3

- 114 **George, Salem Shihadeh, 1892-**
 Attitude in relation to the psychophysical judgment
 ... [Worcester, 1917] 1 p. l., 37 p.
 Cornell university, 1916, PH. D.
 "Reprinted from the American journal of psychology, vol. xxviii,
 1917."
 17-13618 BF237.G4
- 115 **Gibbons, Willis Alexander, 1888-**
 Heat of dilution of alcohol in benzene ... [Ithaca,
 N. Y., 1917] 1 p. l., p. [48]-74.
 Cornell university, 1916, PH. D.
 "Reprinted from Journal of physical chemistry 21, 48 (1917)"
 17-13514 QD511.G5
- 116 **Gipson, Alice Edna.**
 John Home, a study of his life and works with special
 reference to his tragedy of Douglas and the controver-
 sies which followed its first representations ... [Cald-
 well, Id., The Caxton printers, 1917] viii p., 1 l., 213 p.
 Yale university, 1916, PH. D.
 17-30157 PR3516.Z5G5
- 117 **Gittinger, Roy, 1878-**
 The formation of the state of Oklahoma (1803-1906)
 ... [Berkeley, 1917] cover-title, xii, 256 p.
 University of California, 1916, PH. D.
 Thesis t.-p. attached to the cover of the original issue, which was
 published as University of California Publications in history, vol. vi.
 18-9083 F694.G53
- 118 **Gorman, Sister Mary Rosaria, 1880-**
 The nurse in Greek life ... Boston [Foreign lan-
 guages print co.] 1917. 51 p., 1 l.
 Catholic university of America, 1917, PH. D.
 17-21807 DF93.G6
- 119 **Goss, Byron Cassius, 1890-**
 Adsorption of tin by proteins and its relation to the
 solution of tin by canned foods ... [Boston, 1917]
 1 p. l., [5]-17 p.
 Princeton university, 1916, PH. D.
 Reprinted from Journal of industrial and engineering chemistry,
 v. 9, no. 2, February, 1917, p. 144-148.
 17-22102 TX603.G7

120 Gray, Clarence Truman.

... Types of reading ability as exhibited through tests and laboratory experiments ... Chicago, Ill., The University of Chicago press, 1917. xiii, [1], 196 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. 1, no. 5."

17-30173

LB1573.G67

121 Gray, Henry David, 1873-

... Emerson; a statement of New England transcendentalism as expressed in the philosophy of its chief exponent ... Stanford University, Cal., The University, 1917. 110 p., 1 l.

(Leland Stanford junior university publications. University series. [29])

Columbia university, 1905, PH. D.

Published also without thesis note.

17-30164

PS1642.P4G7

122 Gray, Lewis Cecil.

The genesis and expansion of the plantation system in the southern states of North America during the colonial period ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [19]-34)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

19-16887

AS36.W77 vol. 1

123 Gray, William Scott.

... Studies of elementary-school reading through standardized tests ... [Chicago, University of Chicago press, 1917] viii, 157 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

Published also as Supplementary educational monographs, published in conjunction with the School review and the Elementary school journal, no. 1.

17-13275

LB1573.G7 1917 a

- 124 **Green, Warren Kimball, 1891-**
A study of certain nebulae ... [Berkeley, 1917]
cover-title, p. 92-99.
University of California, 1916, PH. D.
Thesis t.-p. attached to the original issue, which was published as
Lick observatory bulletin no. 298.
17-30183 QB855.G7
- 125 **Groves, James Frederick.**
... Temperature and life duration of seeds ... Chi-
cago, Ill., 1917. 1 p. l., p. 169-189.
University of Chicago, 1915, PH. D.
"A private edition distributed by the University of Chicago libra-
ries."
"Reprinted from the Botanical gazette, vol. LXIII, no. 3."
"Contributions from the Hull botanical laboratory 226."
17-15947 QK661.G8
- 126 **Gruse, William Arthur.**
... The reactions of both the ions and the molecules
of acids, bases and salts; the inversion of menthone by
sodium, potassium and lithium ethylates, by W. A
Gruse and S. F. Acree. [Easton, Pa., 1917] cover-
title, p. [376]-388.
University of Wisconsin, 1916, PH. D.
Thesis note stamped on cover.
"Reprinted from the Journal of the American chemical society,
vol. XXXIX, no. 3. March, 1917."
17-22097 QD341.K2G85
- 127 **Guild, Frank Nelson, 1870-**
A microscopic study of the silver ores and their
associated minerals ... Lancaster, Pa., Press of the
New era printing company, 1917. 1 p. l., p. 297-353.
Leland Stanford junior university, 1917, PH. D.
"Reprinted from Economic geology, vol. XII, no. 4, June, 1917."
17-30301 TN431.G8
- 128 **Guthrie, Kenneth Sylvan, 1871-**
Numenius of Apamea, the father of neo-Platonism;
works, biography, message, sources, and influence ...
London, G. Bell and sons; Grantwood, N. J., Compara-
tive literature press [1917] 1 p. l., iv, 215 p.
Columbia university, 1914, PH. D.
17-29753 B593.Z7G8

129 Hall, Norris Folger.

Attempt to separate the isotopic forms of lead by fractional crystallization. By Theodore W. Richards and Norris F. Hall ...

(In American chemical society journal ... Easton, Pa., 1917. vol. xxxix, no. 4, p. [531]-541)

Harvard university, 1917, PH. D.

Without thesis note.

18-13269

QD1.A5 vol. 39, no. 4

130 Haller, William, 1885-

The early life of Robert Southey, 1774-1803 ... New York, Columbia university press, 1917. ix p., 1 l., 353 p., 1 l.

(Half-title: Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.

Published also without thesis note.

17-30159

PR5466.H32

131 Hammond, Philo Fay, 1876-

The influence of the metallic ions in an electrolytic solution upon the electric potential of a metal placed in the solution ... Lancaster, Pa., Press of the New era printing company, 1917. 11 p.

Leland Stanford junior university, 1916, PH. D.

17-13598

QD561.H3

132 Hancock, John Leonard.

... Studies in stichomythia ... [Chicago, 1917] v, 97 p.

University of Chicago, 1913, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the University of Chicago press, Chicago, Illinois, 1917."

17-15942

PN1551.H32

133 Hanna, Mary Alice, 1886-

The trade of the Delaware district before the revolution ... [Northampton, Mass., 1917] 2 p. l., p. [239]-348.

Bryn Mawr college, 1917, PH. D.

"Reprinted from the Smith college studies in history 1917."

17-25273

HF3025.H32

134 Harder, Oscar Edward.

Alloys of chromium, copper and nickel ... [Urbana, 1917] 58 p., 1 l.

University of Illinois, 1915, PH. D.

Published also as University of Illinois engineering experiment station Bulletin no. 93 with title: A preliminary study of the alloys of chromium, copper, and nickel, by D. F. McFarland and O. E. Harder.

17-22101

TA490.H3

135 Harlow, Ralph Volney.

The history of legislative methods in the period before 1825 ... New Haven, Yale university press; [etc., etc.] 1917. x p., 1 l., 269 p.

(Half-title: Yale historical publications. Miscellany, v)

"The material in chapters I to VII, inclusive, with the exception of a part of chapter II, was worked out in the form of a doctoral dissertation ... [Yale university] in 1913."—Pref.

17-30135

JK1029.H3

136 Harrington, Elmer Adna.

The dielectric constant of aqueous solutions ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. 581-594.

Clark university, 1915, PH. D.

"Reprinted from the Physical review, n. s., vol. VIII, no. 6, December, 1916."

17-11858

QC585.H3

137 Harris, Clarence Peavy, 1891-

I. An attempt to synthesise 5-acetaminoterephthalic sulphinide. II. The synthesis of some homologues of the terpenes, derivatives of 1, 4-diisopropylcyclohexane. III. The refractivities and magnetic rotations of certain 1, 4-diisopropenylbenzenes; and the relation of these properties to the problem of the constitution of benzene ... Easton, Pa., Eschenbach printing company, 1917. 61, [1] p.

Columbia university, 1917, PH. D.

17-22095

QD262.H3

138 Harris, Wilmer Carlyle.

... Public life of Zachariah Chandler, 1851-1875 ...
[Chicago, 1917] 5 p., 1 l., [7]-152 p.

(Lettered on cover: University series II. Michigan historical publications)

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libraries. The regular edition is published by the Michigan historical commission 1917."

18-10400

E664.C4H2

139 Hart, William Le Roy, 1892-

... Differential equations and implicit functions in infinitely many variables ... [Lancaster, Pa., Press of the New era printing company, 1917] 1 p. l., p. 125-160, 1 l.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from Transactions of the American mathematical society, vol. 18, no. 2, April, 1917."

17-21813

QA372.H3

140 Harter, Leonard Lee, 1875-

Podblight of the lima bean caused by *Diaporthe phaseolorum* ... Washington, Govt. print. off., 1917. cover-title, p. 473-504, 1 l.

George Washington university, 1917, PH. D.

Thesis note stamped on cover.

"Reprinted from Journal of agricultural research, vol. xi, no. 10, Washington, D. C., December 3, 1917."

19-17321

SB608.B3H3

141 Haussmann, Carl Frederick, 1871-

... Kunze's Seminarium and the Society for the propagation of Christianity and useful knowledge among the Germans in America ... Philadelphia, Americana germanica press, 1917. 141 p.

(Americana germanica, no. 27)

University of Pennsylvania, 1916, PH. D.

Published also without thesis note.

17-23814

LA355.H32

142 **Heckert, John Walter, 1872-**

The organization of instruction materials, with special relation to the elementary school curriculum ... New York city, Teachers college, Columbia university, 1917. v, 107 p., 1 l.

Columbia university, 1916, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 87.

18-8178

LB1570.H42

143 **Heffner, Edward Hoch, 1886-**

... The sequence of tenses in Plautus ... Philadelphia, Pa., 1917. 2 p. l., 52 p.

University of Pennsylvania, 1916, PH. D.

17-12162

PA

144 **Heinicke, Arthur John.**

Factors influencing the abscission of flowers and partially developed fruits of the apple (*Pyrus malus* L.) ... [Ithaca, N. Y., 1917] 1 p. l., p. 43-114.

Cornell university, 1916, PH. D.

"Published as Cornell university agricultural experiment station Bulletin 393, July, 1917."

19-6819

SB363.H4

145 **Hickernell, Louis Max, 1887-**

A study of desiccation in the rotifer, *Philodina roseola* ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. 343-406.

Princeton university, 1917, PH. D.

"Reprinted from Biological bulletin, vol. xxxii, no. 6, June, 1917."

17-31408

QL391.R8H7

146 **Hill, John.**

A contribution to Old Spanish lexicography ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. i, p. [109]-136)

University of Wisconsin, 1913, PH. D.

Abstract of theses.

19-16893

AS36.W77 vol. i.

147 Hill, Reuben Lorenzo, 1887-

Some aspects of the physiology of mammary secretion . . . [Ithaca, N. Y., 1916-17] 1 p. l., 27, [13] p.

Cornell university, 1915, PH. D.

Reprinted from the Journal of the American veterinary medical association, v. 49, no. 4, July 1916, p. 483-510; v. 51, no. 5, Aug. 1917, p. 642-654.

18-1557

QP246.H5

148 Hine, Thomas Buck, 1888-

The electrical conductivities of dilute sodium, potassium and lithium amalgams . . . [Easton, Pa., 1917] cover-title, p. [882]-895.

University of California, 1916, PH. D.

Thesis t.-p. attached to the cover of the issue reprinted from the Journal of the American chemical society, vol. xxxix, no. 5, May, 1917.

17-30184

QD565.H5

149 Hoagland, Henry Elmer, 1886-

Collective bargaining in the lithographic industry . . . New York, 1917. 1 p. l., 5-131 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LXXIV, no. 3, whole no. 176.

17-30168

HD6515.P95H62

150 Hockett, Homer C., 1875-

. . . Western influences on political parties to 1825; an essay in historical interpretation . . . [Columbus] The Ohio state university [1917] 157 p.

(The Ohio state university bulletin. vol. xxii, no. 3. Aug., 1917. The Ohio state university studies. Contributions in history and political science. no. 4)

University of Wisconsin, 1917, PH. D.

Without thesis note.

17-27481

JK2260.H7

151 **Holt, Caroline Maude, 1878-**

... Studies on the olfactory bulbs of the albino rat.
Part I. Effect of a defective diet and of exercise. Part
II. Number of cells in bulb ... [Philadelphia, 1917]
1 p. l., p. 201-259.

University of Pennsylvania, 1916, PH. D.

"Reprinted from the Journal of comparative neurology, vol. 27,
no. 2, February, 1917."

17-15943

QL937.H7

152 **Holtz, Adrian Augustus.**

... A study of the moral and religious elements in
American secondary education up to 1800 ... [Me-
nasha, Wis., 1917] 3 p. l., 86 p.

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libra-
ries."

"A trade edition is published by the Collegiate press, George Banta
publishing company, Menasha, Wisconsin, 1917."

17-30171

LC311.H6

153 **Hooton, Earnest Albert.**

The pre-Hellenistic stage in the evolution of the liter-
ary art at Rome ...

(In University of Wisconsin: Abstracts of theses. Madison, 1917.
vol. 1, p. [35]-57)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

19-16889

AS36.W77, vol. 1

154 **Humpstone, Henry Judson, 1870-**

... Some aspects of the memory span test. A study
in associability ... Philadelphia, Pa., The Psycho-
logical clinic press, 1917. 30, [1] p.

University of Pennsylvania, 1917, PH. D.

17-25598

BF371.H8

155 **Hunter, Merlin Harold.**

The development of corporation taxation in the state
of New York ... Urbana, Ill., The author, 1917.
viii, 177 p.

Cornell university, 1916, PH. D.

18-5421

HD2753.U7N665

156 **Ishida, Yoshio.**

... Kinetic theory of rigid molecules ... [Lancaster, Pa., and Ithaca, N. Y., 1917] 1 p. l., p. 305-321.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Physical review, n. s., vol. x, no. 4, October 1917."

18-4388

QC175.I8

157 **James, Glenn, 1882-**

Some theorems on the summation of divergent series

... New York city, Printed by W. D. Gray, 1917. 28 p.

Columbia university, 1918, PH. D.

18-7758

QA295.J3

158 **Jefferson, Bernard Levi, 1887-**

Chaucer and the Consolation of philosophy of Boethius

... Princeton, Princeton university press; [etc., etc.]

1917. v, 168 p.

Princeton university, 1914, PH. D.

17-19559

PR1912.B65J4

159 **Johnson, Axel.**

The social and economic effects of unemployment in Milwaukee during 1908-1909 ...

In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. i, p. [59]-65)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

19-16888

AS36.W77 vol. i

160 **Johnson, Buford Jennette, 1880-**

Experimental study of motor abilities of children in the primary grades ... Baltimore, The Johns Hopkins press, 1917. vii, 9-63 p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in education no. 2.

17-31416

LB1121.J6

158464-21-4

161 **Johnson, Harry Isaac, 1889-**

The conductivity and dissociation of certain inorganic and organic salts in formamid and in mixtures of formamid with ethyl alcohol ... [Baltimore? 1917] 31 p.

Johns Hopkins university, 1917, PH. D.
18-6554

QD565.J6

162 **Johnson, John Bertrand.**

Total ionization by slow electrons ... [Lancaster, Pa., and Ithaca, N. Y., 1917] cover-title, p. [609]-623.

Yale university, 1917, PH. D.
Without thesis note.

"Reprinted from the Physical review, n. s., vol. x, no. 6, December, 1917."
18-3811

QC702.J6

163 **Johnson, Laurence Crane.**

Tautomerism in the para-hydroxytriphenylcarbinol series ... Easton, Pa., Eschenbach printing company, 1917. 25 p.

University of Michigan, 1916, PH. D.
18-13014

QD471.J6

164 **Johnson, Sydney Evans.**

Structure and development of the sense organs of the lateral canal system of selachians (*Mustelus canis* and *Squalus acanthias*) ... [Baltimore, The Waverly press; 1917] cover-title, 74 p.

Northwestern university, 1916, PH. D.
"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service June 15."

"Reprinted from the Journal of comparative neurology, vol. 28, no. 1, August, 1917."
19-433

QL638.9.J7

165 **Jones, Edward Safford, 1888-**

... The influence of age and experience on correlations concerned with mental tests ... [Chicago, 1917] 4 p. l., [3]-89 p.

University of Chicago, 1917, PH. D.
"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by Warwick & York, inc., Baltimore, Md., 1917" as Educational psychology monographs no. 22.

18-11708

LB1131.J72

- 166 **Kamman, William Frederic, 1885-**
 ... Socialism in German American literature ...
 Philadelphia, Americana germanica press, 1917. 124 p.
 (Added t.-p.: Americana germanica ... xxiv)
 University of Pennsylvania, 1917, PH. D.
 Published also without thesis note.
 17-9133 PT3900.K4
- 167 **Keir, Robert Malcolm, 1887-**
 ... Some influences of environment in Massachu-
 setts ... Lancaster, Pa., Press of the New era printing
 company, 1917. 1 p. l., 25 p.
 University of Pennsylvania, 1917, PH. D.
 Reprinted from the Bulletin of the Geographical society of Phila-
 delphia, vol. xv, no. 3, July, 1917; vol. xv, no. 4, October, 1917.
 18-2749 F65.K27
- 168 **Keitt, George Wannamaker.**
 ... Peach scab and its control ... Washington,
 Govt. print. off., 1917. cover-title, 66 p.
 (U. S. Dept. of agriculture. Bulletin no. 395. Professional paper)
 University of Wisconsin, 1914, PH. D.
 Thesis note stamped on cover.
 Agr 17-199 SB741.P2K2
- 169 **Kelley, Sister Mary Gervase, 1888-**
 On the cardioids fulfilling certain assigned condi-
 tions ... Washington, D. C. [National capital press,
 inc.] 1917. 45 p.
 Catholic university of America, 1917, PH. D.
 17-22581 QA567.K4
- 170 **Kennedy, John Joseph.**
 The nitration products of phenoltetrachlorophthalein
 and some of their derivatives and The nitration products
 of tetrachlorofluoran and some of their derivatives; by
 W. R. Orndorff and J. J. Kennedy. [Easton, Pa., 1916-
 17] 1 p. l., p. [2486]-2503, [88]-103.
 "A reprint of an article based upon a thesis submitted to the Faculty
 of the Graduate school of Cornell university for the degree of doctor of
 philosophy by John Joseph Kennedy." 1916.
 W. R. Orndorff, instructor under whom thesis was written.
 Reprinted from the Journal of the American chemical society, vol.
 xxxviii, no. 11, November 1916, vol. xxxix, no. 1, January 1917.
 19-9606 QD441.O73

171 **Kenoyer, Leslie Alva.**

... Environmental influences on nectar secretion ...
[Chicago, 1917] 1 p. l., p. 249-265.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 4, April 1917."

"Contributions from the Hull botanical laboratory 228."

17-21819

QK657.K4

172 **Kingery, Hugh McMillan.**

Oogenesis in the white mouse ... [Boston, 1917]
1 p. l., p. 261-315.

Cornell university, 1917, PH. D.

"Reprinted from the Journal of morphology, vol. 30, no. 1, December, 1917."

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service, October 13."

19-17742

QL965.K5

173 **Kitch, Ethel May.**

... The origin of subjectivity in Hindu thought ...
[Chicago, 1917] 1 p. l., 5-82 p.

University of Chicago, 1914, PH. D.

"Philosophic studies, no. 7, the University of Chicago press, Chicago, Illinois, 1917."

17-29041

B131.K52

174 **Kitson, Harry Dexter.**

... The scientific study of the college student ...
[Princeton, Princeton university press, 1917] iv p., 1 l., 81 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published as no. 98 of the Psychological monographs by Psychological review company, Princeton, N. J."

18-1564

BF431.K6

175 **Klein, Arthur Jay, 1884-**

Intolerance in the reign of Elizabeth, queen of England ... [Boston and New York, 1917] 4 p. l., [v]-xi, 218 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

17-6366

BR756.K62

176 Kokatnur, Vaman Ramchandra, 1886-

The action of trioxymethylene on various hydrocarbons in the presence anhydrous aluminum chloride ...
Minneapolis, University printing co., 1917. 45 p.

University of Minnesota, 1917, PH. D.
18-1563

QD341.H9K83.

177 Koos, Leonard Vincent, 1891-

... The administration of secondary-school units ...
Chicago, Ill., The University of Chicago press, 1917.
ix, 194 p.

University of Chicago, 1916, PH. D.
"Supplementary educational monographs, vol. I, no. 3."
17-29586

LB1607.K62

178 Lacey, Raymond Henry, 1876-

The equestrian officials of Trajan and Hadrian: their careers, with some notes on Hadrian's reforms ...
Princeton, Princeton university press; [etc., etc.] 1917.
vii, 87 p.

Princeton university, 1915, PH. D.
17-24080

DG295.L3

179 Lane, Henry Higgins, 1878-

The correlation between structure and function in the development of the special senses of the white rat ...
Norman, University of Oklahoma, 1917. 88 p.

(On cover: University of Oklahoma bulletin. new ser. no. 140.
University studies no. 8)

Princeton university, 1915, PH. D.
19-27029

QP431.L25

180 Latourette, Kenneth Scott.

... The history of early relations between the United States and China, 1784-1844 ... New Haven, Conn., Yale university press, 1917. 209 p.

(Transactions of the Connecticut academy of arts and sciences, v. 22. August, 1917)

Yale university, 1909, PH. D.
Without thesis note.

18-7805

E183.8.C5L3

181 Lauer, Arnold William.

The petrology of reservoir rocks and its influence on the accumulation of petroleum ... [Lancaster, Pa.] Economic geology publishing company [1917] cover-title, p. 435-472.

Yale university, 1917, PH. D.

Part of thesis.

Title of complete thesis: Special problems in North American petroleum geology.

"Reprinted from Economic geology, vol. XII, no. 5, August, 1917."

18-2752

TN870.5.L3

182 Leake, James Miller, 1879-

The Virginia committee system and the American revolution ... Baltimore, 1917. ix, 11-157, [1] p.

Johns Hopkins university, 1914, PH. D.

Published also as Johns Hopkins university studies in historical and political science, v. 35, no. 1, 1917.

17-13994

F229.L432

183 Learned, Henry Dexter, 1893-

... The syntax of Brant's *Narrenschiff* ... Philadelphia, Americana germanica press, 1917. 54 p.

(Americana germanica, no. 29)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

17-21803

PT1509.Z8L4 1917 a

184 Lee, Ira Elver, 1883-

. Binary systems. IV. Ammonia, sodium chloride; ammonia, sodium bromide; ammonia, sodium iodide ... [Rochester, The Du Bois press, 1917] 23 p.

Cornell university, 1915, PH. D.

17-21400

QD181.N15L4

185 Lee, Judson Fiske.

... Transportation as a factor in the development of northern Illinois previous to 1860 ... [Springfield, 1917] 1 p. l., p. 17-85.

University of Chicago, 1913, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of the Illinois state historical society, vol. X, no. 1, April, 1917."

23377

HE213.I 3L4

186 Leeds, John Bacon, 1874-

The household budget, with a special inquiry into the amount and value of household work ... Germantown, Philadelphia, J. B. Leeds [c1917] 246 p.

Columbia university, 1918, PH. D.
17-21115

TX326.L4

187 Leighton, Morris Morgan, 1887-

... The Iowan drift: a review of the evidences of the Iowan stage of glaciation; a co-operative study for the U. S. Geological survey and the Iowa Geological survey, by William C. Alden ... and Morris M. Leighton ... Des Moines, 1917. 2 p. l., p. [51]-212.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Iowa Geological survey, volume xxvi, Annual report for 1915."

18-9194

QE697.A37

188 Light, George Heyser.

The dependence of the topography of envelopes of systems of extremals on curvature ... Lancaster, Pa., Press of the New era printing company, 1917. 32 p.

Yale university, 1916, PH. D.
17-11863

QA316.L6

189 Lilly, Marie Loretto, 1881-

The georgic; a contribution to the study of the Vergilian type of didactic poetry ... Baltimore, J. H. Furst company, 1917. 3 p. l., 50 p., 1 l.

Johns Hopkins university, 1916, PH. D.

Comprises chapters one, two, and three of Hesperia, Supplementary series: Studies in English philology, no. 6., 1919.

17-30156

PN1421.L52

190 Little, Homer Payson, 1884-

The geology and mineral resources of Anne Arundel County ... Baltimore, The Johns Hopkins press, 1917. 1 p. l., p. [23]-132, 1 l.

Johns Hopkins university, 1910, PH. D.

Reprinted from "Anne Arundel County," published by Maryland Geological survey. 1917.

18-7170

QE122.A5L5

191 Lofberg, John Oscar.

... Sycophancy in Athens ... Chicago, Ill., 1917.
xi, 104 p.

University of Chicago, 1914, PH. D.

"Private edition, distributed by the University of Chicago libraries."

18-2826

DF277.L7

192 Loram, Charles Templeman, 1879-

The education of the South African native ... [New York] Columbia university, 1915. 4 p. l., vii-xx, 340 p.

Columbia university, 1918, PH. D.

Has also added t.-p. without thesis note, with imprint: London, New York [etc.] Longmans, Green, and co., 1917.

18-22178

LC2808.S7L62

193 Lowe, John Nicholas.

The action of various pharmacological and other chemical agents on the chromatophores of the brook trout *Salvelinus fontinalis* Mitchill ... [Baltimore, The Waverly press, 1917] cover-title, p. 147-193.

University of Wisconsin, 1915, PH. D.

Thesis note stamped on cover.

"Reprinted from the Journal of experimental zoölogy, vol. 23, no. 1, May, 1917."

17-21797

SH179.T8L6

194 Lowrie, Selden Gale.

Classification of industries under the fourteenth amendment of the Constitution; a study in social legislation ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [67]-72)

University of Wisconsin, 1912, PH. D.

Abstract of thesis.

19-16890

AS36.W77 vol. 1

195 Lyons, Edward, 1890-

The identification of acids ... Easton, Pa., Eschenbach printing co., 1917. 28 p., 1 l.

Johns Hopkins university, 1917, PH. D.

17-31413

QD305.A2L97

196 **MacArthur, Mildred Sherwood, 1886-**

History of the German element in the state of Colorado
... [Chicago, German-American historical society of
Illinois, 1917] 2 p. l., 3-51 p.

Cornell university, 1914, PH. D.

"Reprinted from 'Jahrbuch der Deutsch-amerikanischen histori-
schen gesellschaft von Illinois,' jahrgang xvi, Chicago, 1917."

18-35

F785.G3M2

197 **McCullough, Bruce Welker, ed.**

... The life and writings of Richard Penn Smith,
with a reprint of his play, "The deformed," 1830, by
Bruce Welker McCullough ... Menasha, Wis., George
Banta publishing company, 1917. 2 p. l., 100 p.

University of Pennsylvania, 1917, PH.D.

Includes a reproduction of the original t.-p. of the play: The
deformed, or, Woman's trial ... Philadelphia edition. C. Alexan-
der, pr., 1830.

17-30160

PS2869.S7Z9

198 **MacGibbon, Duncan Alexander.**

... Railway rates and the Canadian railway com-
mission ... Boston, Houghton Mifflin company, 1917.
5 p. l., [ix]-xv, 264 p., 1 l.

(*Half-title*: Hart, Schaffner & Marx prize essays. XXIV)

University of Chicago, 1915, PH. D.

Originally issued by Houghton Mifflin company without thesis note.
This issue is identical except for the addition of the thesis t.-p.

18-3815

HE1855.M22

199. **MacHarg, John Brainerd, 1873-**

Visual representations of the Trinity; an historical
survey ... Cooperstown, N. Y., The Arthur H. Crist
publishing co., 1917. 4 p. l., 139, [1] p.

Columbia university, 1917, PH. D.

Published also without thesis note.

17-31898

N8040.M32

200 **Mack, Edward, 1893-**

The water content of coal, with some ideas on the gene-
sis and nature of coal ... [New Haven, 1917] 1 p. l.,
21 p.

Princeton university, 1916, PH. D.

"From the American journal of science, vol. XLIII, pp. 89-110,
Feb. 1917."

17-10452

TP325.M3

- 201 **Mack, Edward Lawrence**, 1890—
 Electrolytic formation of perchlorate ... [Ithaca, 1917] 1 p. l., p. [238]–264.
 Cornell university, 1916, PH. D.
 "Reprinted from Journal of physical chemistry, vol. 21, p. 238 (1917)"
 17-31414 QD181.C5M3
- 202 **McLean, Forman Taylor**, 1885—
 A preliminary study of climatic conditions in Maryland, as related to plant growth ... [Baltimore, 1917] 1 p. l., p. 129–208, 1 l.
 Johns Hopkins university, 1915, PH. D.
 "Reprinted from Physiological researches, vol. 2, no. 4, serial no. 14, February, 1917."
 "Botanical contribution from the Johns Hopkins university, no. 47."
 17-10447 S600.M4
- 203 **McLemore, James Sugars**.
 The tradition of the Latin accent ... [Charlottesville, Va.] University of Virginia, 1917. 96 p.
 University of Virginia, 1912, PH. D.
 18-384 PA2119.M2
- 204 **McMahon, Amos Philip**, 1890—
 On the second book of Aristotle's Poetics and the source of Theophrastus' definition of tragedy ...
 (In Harvard studies in classical philology ... Cambridge, 1917. vol. xxviii, p. 1–46)
 "Formed part of a dissertation, The mediaeval conception of comedy and tragedy, submitted in partial fulfilment of the requirements for the degree of PH. D. at Harvard university in 1916."
 18-10199 PA25.H3 vol. 28
- 205 **MacRae, Duncan**.
 I. The rate of the reaction between mercury and mercuric nitrate solution. II. The free energy of formation of cadmium oxide ... [Boston?] 1917. 14 p.
 Massachusetts institute of technology, 1917, PH. D.
 Abstract of thesis.
 17-21399 QD501.M23

206 **Mains, Edwin Butterworth, 1890-**

The relation of some rusts to the physiology of their hosts ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. 179-220.

University of Michigan, 1916, PH. D.

"Reprinted from the American journal of botany, 4: 179-220, April, 1917."

17-21817

QK627.A1M4

207 **Mance, Grover Cleveland, 1883-**

... Power economy and the utilization of waste in the quarry industry of southern Indiana [Bloomington, Ind., 1917] 204 p.

(Indiana university studies. vol. iv, study no. 35. March, 1917)

Indiana university, 1915, PH. D.

Thesis note on verso of t.-p.

18-27165

(TN951)

208 **Mantz, Harold Elmer, 1888-**

French criticism of American literature before 1850 ... New York, Columbia university press, 1917. viii p. 1 l., 165, [1] p.

(*Half-title*: Columbia university studies in Romance philology and literature)

Columbia university, 1917, PH. D.

Published also without thesis note.

17-15471

PS159.F5M3 1917a

209 **Markle, Millard S., 1883-**

... Root systems of certain desert plants ... [Chicago, 1917] 1 p. l., p. 177-205.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Botanical gazette, vol. LXIV, no. 3, September 1917."

"Contributions from the Hull botanical laboratory 236."

17-31412

QK922.M35

210 **Marshall, John Albert, 1885-**

The composition of saliva in relation to the incidence of dental caries ... [Baltimore, The Waverly press] 1917. cover-title, p. 212-234.

University of California, 1917, PH. D.

Thesis t.-p. attached to the cover of the issue reprinted from the American journal of physiology, vol. XLIII, no. 2, May, 1917.

Thesis note also in foot-note, p. 212.

17-30155

RK331.M3

211 **Martin, Frederick Henry, 1887-**

The occlusion of hydrogen by a palladium cathode ... Easton, Pa., Eschenbach printing company, 1917. cover-title, 19, [1] p.

Princeton university, 1917, PH. D.

17-30195

QD571.M3

212 **May, Mark Arthur, 1891-**

The mechanism of controlled association ... New York, 1917. iv, 75 p.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology, no. 39."

18-6442

BF365.M3

213 **Maynard, John Albert.**

... Studies in religious texts from Assur ... [Chicago, 1917] 2 p. l., p. 21-59.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted, with additions, from the American journal of Semitic languages and literatures, vol. xxxiv, no. 1, October, 1917."

18-3401

PJ3189.M3

214 **Medes, Grace, 1885-**

A study of the causes and the extent of variations in the larvae of *Arbacia punctulata* ... Bryn Mawr, Pa., 1917. 1 p. l., p. 317-432, 1 l.

Bryn Mawr college, 1916, PH. D.

"Reprinted from Journal of morphology, vol. 30, no. 1, December, 1917."

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service."

18-9193

QL384.E2M4

215 Meek, Theophile James, 1881-

... Old Babylonian business and legal documents
(the R F H collection) ... Chicago, 1917. 2 p. l.,
p. 203-244, 1 l. .

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted with additions from the American journal of Semitic languages, xxx, no. 3."

17-23317

PJ3875.M4

216 Meggers, William Frederick, 1888-

Wave-length measurements in spectra from 5600 A to
9600 A ... [Washington, 1917] cover-title, p. 371-
395.

Johns Hopkins university, 1917, PH. D.

"Reprinted from the Bulletin of the Bureau of standards, vol. 14,
1917."

18-7749

QC455.M4

217 Meldrum, William Buell.

The melting points of the chlorides of lithium, rubidium and caesium, and the freezing points of binary and ternary mixtures of these salts, including also potassium and sodium chloride. By Theodore W. Richards and W. Buell Meldrum ...

(In American chemical society journal ... Easton, Pa., 1917. vol. xxxix, no. 9, p. 1816-1828)

Harvard university, 1914, PH. D.

Without thesis note.

18-13272

QD1.A5 vol. 39, no. 9

218 Menten, Maud Leonora.

... The alkalinity of the blood in malignancy and other pathological conditions; together with observations on the relation of the alkalinity of the blood to barometric pressure ... [Baltimore, 1917] 1 p. l., p. 179-211.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of cancer research, vol. ii, no. 2, April, 1917."

17-19393

RB145.M4

219 Mills, Frederick Cecil, 1892-

Contemporary theories of unemployment and of unemployment relief ... New York, 1917. 2 p. l., 7-179 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LXXIX, no. 1, whole no. 183.

17-30170

HD5706.M52

220 Millspaugh, Arthur Chester, 1883-

Party organization and machinery in Michigan since 1890 ... Baltimore, 1917. viii, 9-189, [1] p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in historical and political science, series xxxv, no. 3.

17-25274

JK2295.M52M5 1917

221 Minor, Jessie Elizabeth, 1880-

A study of the equilibrium in the alcoholysis of esters ... Easton, Pa., Eschenbach printing company, 1917. 57, [1] p.

Bryn Mawr college, 1917, PH. D.

18-15675

QD305.A2M65

222 Mitchell, Benjamin Ernest, 1879-

Complex conics and their real representation ... Lancaster, Pa., Press of the New era printing company, 1917. iii, 44 p., 1 l.

Columbia university, 1917, PH. D.

17-11856

QA559.M6

223 Monroe, Kenneth Potter, 1891-

The viscosity of liquids. II. The viscosity-composition curve for ideal liquid mixtures. III. Ideal solutions of solids in liquids ... Easton, Pa., Eschenbach printing co., 1917. 27, [1] p.

Columbia university, 1917, PH. D.

"For the first article in this series see Kendall, Medd. K. Vetenskapsakad. Nobelinstit., 2, no. 25 (1913)"

18-7755

QC189.M6

224 Monroe, Walter Scott.

... Development of arithmetic as a school subject
... [Washington, 1917] 2 p. l., 3-170 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries,
Chicago, Illinois."

"Reprinted from Bulletin no. 10, United States Bureau of education,
1917."

17-30012

QA135.M62

225 Moran, Sister Mary Evaristus, 1870-

The consolations of death in ancient Greek literature
... [Washington, D. C., National capital press, inc.,
1917] 85, [1] p.

Catholic university of America, 1917, PH. D.

17-28451

PA

226 Morrison, Frank Marion, 1871-

... On the relation between some important no-
tions of projective and metrical differential geometry
... [Baltimore, 1917] 1 p. l., p. [199]-220, 1 l.

University of Chicago, 1913, PH. D.

"A private edition distributed by the University of Chicago libra-
ries."

"Reprinted from American journal of mathematics, vol. xxxix,
no. 2, April, 1917."

17-15953

QA643.M85

227 Morse, Warner Jackson, 1872-

Studies upon the blackleg disease of the potato, with
special reference to the relationship of the causal organ-
isms ... Washington, Govt. print. off., 1917. cover-
title, p. 79-126.

University of Wisconsin, 1912, PH. D.

Thesis note stamped on cover.

"Reprinted from Journal of agricultural research, vol. viii, no. 3,
Washington, D. C., January 15, 1917."

17-21799

SB608.P8M85

228 Mullins, George Walker, 1881-

Differential invariants under the inversion group ...
Lancaster, Pa., Press of the New era printing company,
1917. 22 p., 1 l.

Columbia university, 1917, PH. D.

17-20518

QA381.M8

- 229 **Murnaghan, Francis Dominic**, 1893—
The lines of electric force due to a moving electron ...
[Baltimore, 1917] 1 p. l., p. [147]–162, 1 l.
Johns Hopkins university, 1916, PH. D.
“Reprinted from American journal of mathematics, vol. xxxix, no.
2, April, 1917.”
17–14819 QC631.M86
- 230 **Murray, Ruby Rivers**, 1888—
Diphenyltetrachlorophthalide and some of its deriva-
tives and A new class of phthaleins. Mixed phthaleins
from the reaction of paraoxybenzoylorthobenzoic acid
with phenols, by W. R. Orndorff and Miss R. R. Murray
... [Easton, Pa., 1917] 1 p. l., p. [293]–304, [679]–697.
“A reprint of an article based upon a thesis submitted to the Faculty
of the Graduate school of Cornell university, for the degree of doctor
of philosophy, by Ruby Rivers Murray.” 1916.
W. R. Orndorff, instructor under whom thesis was written.
Reprinted from the Journal of the American chemical society, vol.
xxxix, no. 2, February, 1917; no. 4, April, 1917.
17–30177 QD341.A2O67
- 231 **Murray, Steuben Butler**, 1888—
Hellenistic architecture in Syria ... Princeton,
Princeton university press; [etc., etc.] 1917. 2 p. l., 54 p.
Princeton university, 1912, PH. D.
17–27914 NA279.S9M8
- 232 **Myers, Jay Arthur**, 1888—
Studies on the syrinx of *Gallus domesticus* ... [Bos-
ton, 1917] 1 p. l., p. 165–215.
Cornell university, 1914, PH. D.
“Reprinted from Journal of morphology, vol. xxix, no. 1, June,
1917.”
17–30189 QL697.M9
- 233 **Neal, Roland**, 1883—
Colloidal solutions of copper sulphide ... [Stanford
University? 1917] 20 p.
Leland Stanford junior university, 1915, PH. D.
17–15952 QD181.C9N4

- 234 **Nearing, Mrs. Nellie Marguerite (Seeds)** 1886-
 ... Education and fecundity ... Chautauqua, N. Y.,
 Chautauqua print shop, 1917. 1 p. l., 19 p.
 University of Pennsylvania, 1915, PH. D.
 Abstract of thesis.
 "Reprint from Publication of American statistical association,
 June, 1914."
 18-3814 HB891.N4
- 235 **Neubauer, Ferdinand John**, 1886-
 Orbit and perturbations of (716) Berkeley ... [Berke-
 ley, 1917] cover-title, p. 111-114.
 University of California, 1917, PH. D.
 Thesis t.-p. attached to the original issue, which was published as
 Lick observatory bulletin no. 301.
 18-3812 QB378.B4N4
- 236 **Newcomer, Mabel**, 1891-
 Separations of state and local revenues in the United
 States ... New York, 1917. 1 p. l., 5-197 p.
 Columbia university, 1917, PH. D.
 Published also as Studies in history, economics and public law, ed.
 by the Faculty of political science of Columbia university. vol.
 LXXVI, no. 2; whole no. 180.
 17-31308 HJ2365.N42
- 237 **Nolle, Alfred Henry**.
 ... The German drama on the St. Louis stage ...
 [Philadelphia] University of Pennsylvania, 1917. 83 p.
 (Americana germanica, no. 32)
 University of Pennsylvania, 1915, PH. D.
 17-25970 PN2277.S2N6
- 238 **Nomland, Jorgen O.**, 1885-
 The Etchegoin Pliocene of middle California ...
 [Berkeley, 1917] cover-title, p. [191]-254.
 University of California, 1916, PH. D.
 Thesis t.-p. is attached to the cover of the original issue which was
 published as University of California publications, Bulletin of the
 Department of geology, v. 10, no. 14, April, 1917.
 18-7171 QE695.N62
 158464-21-5

239 Notz, William Frederick.

The Masoretic text of Nahum, critically compared with the ancient versions ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [73]-81)

University of Wisconsin, 1909, PH. D.

Abstract of thesis.

19-16891

AS36.W77 vol. 1

240 Nyquist, Harry.

The Stark effect in helium and neon ... [Lancaster, Pa., and Ithaca, N. Y., 1917] cover-title, p. [225]-243.

Yale university, 1917, PH. D.

Without thesis note.

"Reprinted from the Physical review, n. s., vol. x, no. 3, September, 1917."

17-31406

QC467.N9

241 Olgin, Moissaye Joseph, 1874-

The soul of the Russian revolution ... New York, H. Holt and company, 1917. x p., 3 l., 3-423 p.

Columbia university, 1918, PH. D.

Without thesis note.

17-27862

DK262.O6

242 Oliver, John William.

... History of the civil war military pensions, 1861-1885 ... Madison, Wis., 1917. 120 p.

(Bulletin of the University of Wisconsin, no. 844. History series, v. 4, no. 1)

University of Wisconsin, 1915, PH. D.

17-21810

UB373.O5

243 Oppitz, Louis Kossuth, 1878-

... Optical constants of the binary alloys of silver with copper and platinum ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [156]-165.

University of Pennsylvania, 1915, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 2, August, 1917."

17-30191

QC368.O6

244 Parker, John Bernard, 1870-

A revision of the bembicine wasps of America north of Mexico ... Columbus, O. [1917] 2 p. l., 155 p., 1 l.

Ohio state university, 1915, PH. D.

Published also in the Proceedings of the United States national museum, v. 52, and as Contribution no. 47 of the Department of zoology and entomology of Ohio state university.

17-17846

QL568.B4P3

245 Parkhurst, Helen Huss, 1887-

Recent logical realism ... Bryn Mawr, Pa., 1917. iii, 67 p.

Bryn Mawr college, 1917, PH. D.

17-29042

B835.P3

246 Patzer, Otto.

Eustache Deschamps as a commentator upon the events and conditions of his time ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [151]-168)

University of Wisconsin, 1907, PH. D.

Abstract of thesis.

19-16895

AS36.W77 vol. 1

247 Pearson, Charles Chilton.

The readjuster movement in Virginia ... New Haven, Yale university press; [etc., etc.] 1917. viii p., 1 l., 191 p.

(Half-title: Yale historical publications. Miscellany. iv)

Yale university, 1913, PH. D.

Without thesis note.

17-24995

F231.P3

248 Pechstein, Louis Augustus.

... Whole vs. part methods in motor learning. A comparative study ... [Princeton, Princeton university press, 1917] 3 p. l., 80 p.

University of Chicago, 1916, PH. D.

"Published as no. 99 of the Psychological monographs."

17-24220

LB1051.P35

249 Peckham, George Williams, 1885-

Logic of Bergson's philosophy ... New York [University printing office, Columbia university] 1917. viii, 68 p., 1 l.

Columbia university, 1916, PH. D.

Published also as Archives of philosophy, no. 8.
18-11439

B2430.B43P4

250 Peterson, Arthur Everett, 1871-

New York as an eighteenth century municipality prior to 1731 ... New York, 1917. 1 p. l., xi, 201 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. LXXV, no. 1; whole no. 177.

17-31306

JS1226.P42

251 Pirazzini, Agide, 1875-

The influence of Italy on the literary career of Alphonse de Lamartine ... New York, Columbia university press, 1917. xii, 160 p., 1 l.

(Half-title: Columbia university studies in Romance philology and literature)

Columbia university, 1917, PH. D.

Published also without thesis note.

18-8104

PQ2328.P5 1917 a

252 Pitman, Frank Wesley.

The development of the British West Indies, 1700-1763 ... New Haven, Yale university press; [etc., etc.] 1917. xiv, [2], 495 p.

(Half-title: Yale historical publications. Studies, iv)

This book in its original form was a doctoral dissertation, Yale university, 1914.

17-31786

HC157.B8P6

253 Pittenger, Benjamin Floyd, 1883-

... The efficiency of college students as related to age at entrance and size of high school ... Bloomington, Ill., Public school publishing company, 1917. 112 p.

University of Chicago, 1916, PH. D.

Published also as Part II of the 16th yearbook of the National society for the study of education.

17-30174

LB2350.P6

254 Plough, Harold Henry, 1892-

The effect of temperature on crossing-over in *Drosophila* ... [Baltimore] 1917. cover-title, p. 147-209, 1 l.

Columbia university, 1917, PH. D.

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service, October 20."

"Reprinted from the Journal of experimental zoölogy, vol. 24, no. 2, November, 1917."

18-7752

QH605.P5

255 Povah, Alfred Hubert William, 1889-

A critical study of certain species of *Mucor* ... [New York, 1917] cover-title, p. 241-259, 287-313.

University of Michigan, 1916, PH. D.

"Reprinted, without change of paging, from the Bulletin of the Torrey botanical club 44 ... May 22 and June 13, 1917."

"Contribution no. 159 from the Botanical department of the University of Michigan."

18-1561

QK621.M94P6

256 Powell, Chilton Latham, 1885-

English domestic relations, 1487-1653; a study of matrimony and family life in theory and practice as revealed by the literature, law, and history of the period ... New York, Columbia university press, 1917. xii, 274 p., 1 l.

(*Half-title*: Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.

Published also without thesis note.

17-14029

HQ613.P8 1917 a

257 Pulling, Howard Edward.

The rate of water movement in aerated soils ... [Baltimore, 1917] p. 239-268.

University of Wisconsin, 1915, PH. D.

Thesis note stamped on caption title.

"Reprinted from Soil science, vol. iv, no. 3, September, 1917."

18-22019

S594.P8

- 258 **Quackenbos, George Payn, 1879—**, *ed. and tr.*
 ... The Sanskrit poems of Mayūra, ed. with a translation and notes and an introduction, together with the text and translation of Bāṇa's Candīśataka, by George Payn Quackenbos ... New York, Columbia university, 1917. xxii, 362 p., 1 l.
 (Added t.-p.: Columbia university Indo-Iranian series, ed. by A. V. W. Jackson. v. 9)
 Columbia university, 1915, PH. D.
 Published also without thesis note.
 17-15939 PK
- 259 **Quirke, Terence Thomas, 1886—**
 ... Espanola district, Ontario ... [Ottawa, 1917]
 1 p. l., iii, 92 p.
 University of Chicago, 1915, PH. D.
 "Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."
 "Reprinted from Canada Department of mines, Geological survey, memoir 102, 1917."
 18-7750 QE191.Q58
- 260 **Rands, Robert Delafield.**
 ... Early blight of potato and related plants ...
 Madison [1917] cover-title, 48 p.
 (Agricultural experiment station of the University of Wisconsin. Research bulletin 42)
 University of Wisconsin, 1917, PH. D.
 Thesis note stamped on cover.
 18-17510 SB608.P8R3
- 261 **Rasmussen, Andrew Theodore, 1883—**
 Blood changes in the woodchuck (*Marmota monax*) during hibernation ... [Ithaca? 1915-17] 2 p. l., p. [609]-625, 20-30, 162-172, 464-482, 132-148.
 Cornell university, 1916, PH. D.
 "Reprinted from the American naturalist, vol. L, no. 598, October, 1916. The American journal of physiology, vol. xxxix, no. 1, November, 1915; vol. xli, no. 2, August, 1916; vol. xli, no. 4, October, 1916, and vol. xlii, no. 2, September, 1917."
 18-7766 QL755.R25

262 Reaves, Samuel Watson.

... Metric properties of flecnodes on ruled surfaces
... [Napoli, 1917] 2 p. l., [3]-28 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries,
Chicago, Illinois."

"Reprinted from the Giornale di matematiche di Battaglini, vol. LV
(1917), 8° della 3ª serie."

19-12712

QA643.R4

263 Reeside, John Bernard, 1889-

The Helderberg limestone of central Pennsylvania
... [Washington, 1917] cover-title, p. 185-225, 1 l.

Johns Hopkins university, 1915, PH. D.

Reprinted from U. S. Geological survey Professional paper 108 K.
December 13, 1917.

18-7751

QE471.R4

264 Reeves, Frank, 1886-

The absence of water in certain sandstones of the
Appalachian oil-fields ... [Lancaster, Pa., Press of the
New era printing company, 1917] 1 p. l., [1], 354-378
p., 1 l.

Johns Hopkins university, 1916, PH. D.

"Reprinted from Economic geology, vol. XII., no. 4, June, 1917."

17-31085

GB1027.A5R4

265 Reittel, Charles Ervin.

... Machinery and its benefits to labor in the crude
iron and steel industries. ... Menasha, Wis., George
Banta publishing company, 1917. 36 p.

University of Pennsylvania, 1917, PH. D.

"Reprinted from the Iron age."

17-31166

TN707.R4

266 Relf, Frances Helen, 1874-

The petition of right ... [Minneapolis, 1917] cover-
title, v, [2], 74 p.

University of Minnesota, 1916, PH. D.

Published also as the University of Minnesota Studies in the social
sciences, no. 8.

18-11715

DA397.R42

267 Reymert, Martin Luther.

The psychology of the teacher; an introductory study
... [Worcester, Mass., 1917] 1 p. l., p. [521]-558.

Clark university, 1917, PH. D.

"Reprinted from the Pedagogical seminary, December, 1917, vol.
XXIV."

18-5471

LB1055.R5

268 Rice, Joseph Nelson, 1890-

On the in-and-circumscribed triangles of the plane
rational quartic curve ... Washington, D. C.: [National
capital press, inc.] 1917. 32 p.

Catholic university of America, 1917, PH. D.

17-24072

QA567.R5

269 Rich, Daniel Leslie, 1879-

Oscillatory spark discharges between unlike metals
... [Lancaster, Pa., and Ithaca, N. Y., 1917] cover-
title, p. [140]-155.

University of Michigan, 1915, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 2, August,
1917."

18-1560

QC703.R5

270 Rider, Paul Reece.

The space problem of the calculus of variations in
terms of angle ... [Baltimore, 1917] cover-title, p.
[241]-256.

Yale university, 1915, PH. D.

"Reprinted from the American journal of mathematics, vol. xxxix,
no. 3, July, 1917."

17-30188

QA316.R5

271 Ritt, Joseph Fels, 1891-

On a general class of linear homogeneous differential
equations of infinite order with constant coefficients, pre-
ceded by a note on the resolution into partial fractions
of the reciprocal of an entire function of genus zero ...
[Lancaster, Pa., Press of the New era printing com-
pany, 1917] 1 p. l., 21-49, [1] p.

Columbia university, 1917, PH. D.

"Reprinted from the Transactions of the American mathematical
society, vol. 18, no. 1, pp. 21-49, January, 1917."

17-11855

QA372.R65

272 Ritter, Sarah Margaret.

... The vertical-horizontal illusion; an experimental study of meridional disparities in the visual field ... [Princeton, Princeton university press, 1917] 3 p. l., 110 p.

University of Chicago, 1916, PH. D.

"Published as no. 101 of the Psychological monographs."

17-19609

QP495.R5

273 Robinson, Edna Moore, 1885-

Tennyson's use of the Bible ... Baltimore, J. H. Furst company, 1917. 3 p. l., v-ix, 43 p., 1 l.

Johns Hopkins university, 1917, PH. D.

"Comprises the introduction and first two chapters of a fuller study on Tennyson's use of the Bible, printed in Hesperia, ergänzungsreihe 4. heft, 1917."

17-21804

PR5592.P5R6 1917a

274 Roesler, Max.

... Geology of the iron-ore deposits of the Firmeza District, Oriente Province, Cuba ... [New York, 1917] p. [1789]-1839.

Yale university, 1916, PH. D.

Without thesis note.

Preprinted from Transactions of the American institute of mining engineers, vol. LVI, 1917, p. 77-127.

19-5835

TN404.C9R6

275 Rogers, Anna Sophie.

An analytical study of visual perceptions ... [Worcester, Mass., 1917] 1 p. l., p. [519]-577, 1 l.

University of Illinois, 1917, PH. D.

"Reprinted from the American journal of psychology, October, 1917, vol. xxviii."

18-19388

BF311.R6

276 Rogers, Elizabeth Frances, 1892-

Peter Lombard and the sacramental system ... New York, 1917. 4 p. l., 250 p., 1 l.

Columbia university, 1917, PH. D.

17-6364

277 Rosenow, Curt.

... The analysis of mental functions ... [Princeton, 1917] 2 p. l., 43 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the Psychological review company, Princeton, N. J., as Psychological monograph no. 000. [106]"

18-416

BF431.R7

278 Ruml, Beardsley.

... The reliability of mental tests in the division of an academic group ... [Princeton, 1917] 2 p. l., 63 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by Psychological review co., 1917, reprinted from Psychological monographs, vol. xxiv, no. 4, October, 1917."

18-417

BF431.R8

279 Huud, Martin Brown.

... An essay toward a history of Shakespeare in Norway ... [Urbana, Ill., 1917] 2 p. l., 112 p.

University of Chicago, 1915, PH. D.

"Reprint from Scandinavian studies and notes, Urbana, Illinois, 1917."

18-9102

PR2971.N7R8

280 Rykenboer, Edward August, 1889-

Capillary phenomena and supercooling ... Easton, Pa., Eschenbach printing co., 1917. 43 p.

University of Michigan, 1917, PH. D.

18-11130

QC303.R8

281 Sanford, Roscoe Frank, 1883-

On some relations of the spiral nebulae to the Milky way ... [Berkeley, 1917] cover-title, p. 80-91.

University of California, 1917, PH. D.

Thesis t.-p. attached to the original issue which was published as Lick observatory bulletin no. 297.

17-31410

QB819.S3

282 Scarborough, Dorothy.

The supernatural in modern English fiction ... New York and London, G. P. Putnam's sons, 1917. 3 p. l., v-vii, 329 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

17-30162

PR147.S3 1917 a

283 Scarlett, Andrew Jackson, 1889-

The surface tension of mixed liquids ... Easton, Pa., Eschenbach printing company, 1917. 34 p., 1 l.

Columbia university, 1917, PH. D.

17-20515

QC183.S3

284 Schappelle, Benjamin Franklin, 1885-

... The German element in Brazil, colonies and dialect ... Philadelphia, Americana germanica press, 1917. 3 p. l., 5-66 p.

(Americana germanica, no. 26.)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

17-21802

PF5941.B8S32

285 Scheifley, William H., 1876-

... Brieux and contemporary French society ... [New York] The Knickerbocker press, G. P. Putnam's sons, 1917. x p., 1 l., 436 p.

University of Pennsylvania, 1914, PH. D.

Published also without thesis note.

18-20430

PQ2201.B5Z72 1917

286 Schlesinger, Arthur Meier, 1888-

The colonial merchants and the American revolution, 1763-1776 ... New York, 1917. 631 p.

Columbia university, 1918, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. LXXVIII; whole no. 182.

18-6528

HF3025.S29

287 **Schmidt, William Anton.**

... An experimental study in the psychology of reading ... [Chicago, Printed by the University of Chicago press, 1917] iv, 126 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

Published also as Supplementary educational monographs published in conjunction with the School review and the Elementary school journal, vol. 1, no. 2; whole no. 2, April 1917.

17-14236

LB1573.S3 1917 a

288 **Schmitt, Bernadotte Everly.**

British policy and the treaty of Berlin, 1878-1887 ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [137]-150)

University of Wisconsin, 1910, PH. D.

Abstract of thesis.

19-16894

AS36.W77 vol. 1

289 **Scholz, Richard Frederick.**

Municipal and feudal tendencies in Roman imperial administration, with special references to the edict of Caracalla ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [83]-108)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

19-16892

AS36.W77 vol. 1

290 **Sebastian, Reuben Louis, 1889-**

A study of hydrogen and calomel electrodes ... [Easton, Pa., 1917] cover-title, p. [2245]-2261.

University of California, 1916, PH. D.

Thesis t.-p. attached to the cover of the reprint from the Journal of the American chemical society, vol. xxxix, no. 11, November, 1917, by Gilbert N. Lewis, Thomas B. Brighton and Reuben L. Sebastian.

18-16384

QD571.S4

291 Selin, William Edward, *ed.*

... The case is altered, by Ben Jonson; *ed.*, with introduction, notes, and glossary, by William Edward Selin ... New Haven, Yale university press; [etc., etc.] 1917. lxvi, 220 p.

(Yale studies in English. A. S. Cook, editor. LVI)

Yale university, 1917, PH. D.

"The text is a reproduction of an original quarto of 1609 owned by Mr. W. A. White ... The footnotes to the text comprise all variants of the five copies of the quarto which were collated."—Editor's note.

17-20523

PR2607.A1 1917

292 Seybolt, Robert Francis, 1888—

Apprenticeship & apprenticeship education in colonial New England & New York ... New York city, Teachers college, Columbia university, 1917. 3 p.l. 121, [1] p.

Columbia university, 1916, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 85.

17-29844

HD4885.U5S42

293 Sherwood, Clarence McKinley.

A study of Stokes neutral red reaction as applied to the sanitary examination of water ... [Easton, Pa., 1917]. 1 p. l., p. [1755]—1766.

Cornell university, 1914, PH. D.

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 8, August, 1917."

19-17822

QD142.S5

294 Shewhart, Walter Andrew, 1891—

A study of the accelerated motion of small drops through a viscous medium ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [425]—433.

University of California, 1917, PH. D.

An extra thesis t.-p. is attached to cover.

"Reprinted from the Physical review, n. s., vol. ix, no. 5, May, 1917."

18-7524

QC189.S5

- 295 **Shields, Emily Ledyard, 1883-**
 ... The cults of Lesbos ... Menasha, Wis., George
 Banta publishing company, 1917. xviii, 100 p., 1 l.
 Johns Hopkins university, 1915, PH. D.
 17-22695 BL785.S5
- 296 **Shields, Margaret Calderwood.**
 ... A determination of the ratio of the specific heats
 of hydrogen at 18° and -190° ... [Lancaster, Pa., and
 Ithaca, N. Y., 1917] 1 p. l., p. [525]-540.
 University of Chicago, 1917, PH. D.
 "A private edition distributed by the University of Chicago libra-
 ries."
 "Reprinted from the Physical review, n. s., vol. VIII, no. 5, Novem-
 ber, 1917."
 18-1559 QC297.S5
- 297 **Shukri, Ahmed, 1892-**
 ... Muhammedan law of marriage and divorce ...
 New York, Columbia university press, 1917. 4 p. l.,
 126 p., 1 l.
 (Contributions to Oriental history and philology, no. VII)
 Columbia university, 1916, PH. D.
 17-15933 Q1170.S5
- 298 **Shumway, Waldo, 1891-**
 The effects of a thyroid diet upon *Paramaecium* ...
 [Baltimore, The Waverly press, 1917] 1 p. l., p. 529-
 563, 1 l.
 Columbia university, 1916, PH. D.
 "Reprinted from the Journal of experimental zoölogy, volume 22,
 number 3."
 17-15958 QL368.C5S6
- 299 **Slade, William Franklin.**
 The federation of Central America ... Worcester,
 Mass. [1917] 1 p. l., p. 79-150, 204-275.
 Clark university, 1917, PH. D.
 "Reprinted from the Journal of race development, vol. 8."
 18-2696 F1438.S63

300 Sladen, Charles Fischer, 1880—

... The approach of academic to spoken style in German; a study in popular scientific prose from 1850 to 1914 ... Philadelphia, Press of Tioga printing house, 1917. 41, [4] p.

University of Pennsylvania; 1917, PH. D.
17-20526

PF3435.S6

301 Smith, Henry Lester, 1876—

A survey of a public school system ... New York city, Teachers college, Columbia university, 1917. xii, 304 p., 1 l.

(On cover: Columbia university. Contributions to education. Teachers college series)

Columbia university, 1916, PH. D.
Published also without thesis note.
17-29587

LA285.B6S62

302 Smith, Louise Pettibone, 1887—

The Messianic ideal of Isaiah ... [New Haven, 1917] [1], 158-212 p., 1 l.

Bryn Mawr college, 1917, PH. D.
Reprinted from the Journal of Biblical literature, vol. xxxvi, pts. 3 and 4, September-December 1917.
18-22038

BT235.S6

303 Smith, Lucy Wright, 1886—

Studies of North American *Plecoptera* (*Pteronarcinae* and *Perlodini*) ... [Philadelphia, 1917] 1 p. l., p. 433-489.

Cornell university, 1914, PH. D.
"Reprinted from Trans. Am. ent. soc., vol. XLIII, December, 1917."
18-7760

QL513.P8S6

304 Smith, Warren Slocum, 1891—

... Geology of the Skykomish Basin, Washington ... [New York? 1917] 3 pt.

(Contributions from the Geological department of Columbia university, vol. xxvi, no. 6)

Columbia university, 1916, PH. D.
[pt. 1] Reprint from the School of mines quarterly, vol. xxxvi, no. 2, April 1915.—[pt. 2] Reprinted from the Journal of geology, vol. xxiv, no. 6, September-October 1916.—[pt. 3] Annals of the New York academy of sciences, vol. xxvii, p. 205-214, 1917.

17-15959

QE1.C7 vol. 26, no. 6

305 Sockman, Ralph Washington, 1889—

The revival of the conventual life in the Church of England in the nineteenth century ... New York city, Printed by W. D. Gray, 1917. 229, [1] p.

Columbia university, 1917, PH. D.
17-24225

BX5183.S7

306 Sousley, Clarence Piersall, 1889—

Invariants and covariants of the Cremona cubic surface ... [Baltimore, 1917] 1 p. l., p. [135]-146, 1 l.

Johns Hopkins university, 1915, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix, no. 2, April, 1917."

17-15954

QA601.S75

307 Speck, Peter Alexander.

... The singletax and the labor movement ... Madison, Wis., 1917. 180 p.

(Bulletin of the University of Wisconsin no. 878. Economics and political science series, v. 8, no. 3)

University of Wisconsin, 1915, PH. D.
18-27031

H31.W63 vol. 8, no. 3

308 Spindler, George Washington, 1877—

Karl Follen; a biographical study ... [Chicago, 1917] 234 p., 1 l.

University of Illinois, 1916, PH. D.
17-21971

BX9869.F6S7

309 Stang, Ambrose Henry, 1889—

The infra-red absorption spectrum of naphthalene and of some of its mono-derivatives in solution ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [542]-553.

University of Michigan, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 6, June, 1917."

18-1558

QC457.S8

310 Starck, Adolf Taylor, 1889—

Der alraun, ein beitrage zur pflanzenagenkunde ... Baltimore, J. H. Furst company, 1917. iv, 85 p., 1 l.

Johns Hopkins university, 1916, PH. D.

Published also as New York university, Ottendorfer memorial series of Germanic monographs. no. 14.

18-1379

GR790.M3S7

311 Steadman, John Marcellus, jr.

... The origin of the historical present in English ...
[Menasha, Wis., George Banta publishing company,
1917] 3 p. l., 46 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by the University of North Carolina (Studies in philology, vol. xiv) 1917."

17-21809

PE1301.S85

312 Stegeman, Gebhard, 1890-

A lead standard cell and a determination of the potential of the lead electrode ... Columbus, O., 1917.
20 p., 1 l.

Ohio state university, 1917, PH. D.

18-9790

QC603.S8

313 Steiner, Jesse Frederick.

... The Japanese invasion; a study in the psychology of inter-racial contacts ... [Chicago, 1917] xvii p., 1 l., 231 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries. The trade edition [without thesis note] is published by A. C.

McClurg & co., Chicago, 1917."

17-9728

JV6884.S8 1917 a

314 Steinke, Martin William, 1886- ed.

Edward Young's "Conjectures on original composition" in England and Germany; a study in literary relations, by Martin William Steinke ... New York, F. C. Stechert co., inc., 1917. 3 p. l., 127 p., 1 l.

University of Illinois, 1914, PH. D.

With reproduction of original t.-p.: Conjectures on original composition in a letter to the author of Sir Charles Grandison ... London, 1759.

17-28842

PR3782.C7 1917

158464-21-6

315 Stetson, John Minor, 1887—

Conjugate systems of curves on a surface both of whose Laplace transforms are lines of curvature ... Princeton, 1917. 1 p. l., [1], 106-126 p.

Princeton university, 1914, PH. D.

"Reprinted from the Annals of mathematics, vol. 19, no. 2 ... December, 1917."

18-3092

QA643.S8

316 Stewart, Ralph Randles, 1890—

... The flora of Ladak, western Tibet. I. Discussion of the flora. II. List of Ladak plants ... Lancaster, Pa., Press of the New era printing company, 1916-17. 1 p. l., 571-590, 625-650 p., 1 l.

(Contributions from the Department of botany, Columbia university. 281)

Columbia university, 1916, PH. D.

"Reprinted, without change of paging, from the Bulletin of the Torrey botanical club, 43: 571-590, November 27, 1916; 625-650, January 10, 1917."

17-8752

QK355.S8

317 Stidston, Russell Osborne, 1889-1916.

... The use of *ye* in the function of *thou* in Middle English literature from ms. Auchinleck to ms. Vernon; a study of grammar and social intercourse in fourteenth-century England ... Stanford University, Cal., The University, 1917. 95 p.

(Leland Stanford junior university publications. University series [28])

Leland Stanford junior university, 1914, PH. D.

Published also without thesis note.

17-30165

PE583.S8

318 Stimson, Dorothy, 1890—

The gradual acceptance of the Copernican theory of the universe ... Hanover, N. H., 1917. 147 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

17-15949

QB28.S8 1917 a

319 Stober, James Palm, 1869—

... A comparative study of winter and summer leaves of various herbs ... Chicago, Ill., 1917. 1 p. l., p. 89-109.

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 2."

"Contributions from the Hull botanical laboratory 224."

17-9826

QK649.S8

320 Stunkard, Horace Wesley, 1889—

Studies on North American *Polystomidae*, *Aspidogastriidae*, and *Paramphistomidae* ... Urbana, Ill., 1917. 114 p.

University of Illinois, 1916, PH. D.

"Reprinted from the University of Illinois studies in biology, vol. III, no. 3."

17-30178

QL391.T7S92

321 Suydam, John Richard, 1886—

A comparative study of the thermal decomposition of coal and of some of the products of its carbonization ... New York city, W. D. Gray, 1917. 40 p., 2 l.

Columbia university, 1917, PH. D.

18-15637

TP685.S7

322 Swartley, Stanley Simpson, 1884— ed.

... The life and poetry of John Cutts, by Stanley Simpson Swartley ... Philadelphia, Press of Deputy brothers company, 1917. L, 37 p.

University of Pennsylvania, 1917, PH. D.

With reproduction of t.-p. of the original edition: Poetical exercises written upon several occasions ... London, 1687.

17-20524

PR3395.C7 1917

323 Swisher, Charles Lee.

The specific resistance and thermo-electric power of metallic calcium ... Lancaster, Pa., Press of the New era printing company [1917]. 1 p. l., p. [601]-608.

Cornell university, 1917, PH. D.

"Reprinted from the Physical review, ser. II, vol. X, no. 6, December, 1917."

19-17743

QC611.S95

324 **Takahashi, Seigo, 1891-**

A study of the origin of the Japanese state ... New York city, Printed by W. D. Gray, 1917. 97 p., 1 l.

Columbia university, 1917, PH. D.
17-30694

DS851.A2T3

325 **Theisen, William Walter, 1886-**

The city superintendent and the board of education ... New York city, Teachers college, Columbia university, 1917. ix, 137 p., 1 l.

Columbia university, 1917, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 84.

17-30172

LB2819.T42

326 **Thompson, Elizabeth Lockwood, 1883-**

... An analysis of the learning process in the snail, *Physa gyrina* Say ... Pub. at Cambridge, Boston, Mass. New York, H. Holt & company; [etc., etc., 1917] 2 p. l., 89 p.

(Behavior monographs, v. 3, no. 3, 1917. serial no. 14)

University of Michigan, 1916, PH. D.

"Contribution from the Zoological laboratory of the University of Michigan, no. 147."

Published also without thesis note.

18-7747

QL750.B5 vol. 3, no. 3

327 **Tisdale, Wendell Holmes.**

Relation of temperature to the growth and infecting power of *Fusarium lini* ... [Baltimore, 1917] cover-title, p. [356]-360.

University of Wisconsin, 1917, PH. D.

Pt. I of thesis.

Thesis note stamped on cover.

"Reprinted from Phytopathology, vol. VII, no. 5, October, 1917."

19-16526

SB741.F65T5

Tisdale, Wendell Holmes.

Flaxwilt: a study of the nature and inheritance of wilt resistance ... Washington, Govt. print. off., 1917. cover-title, 573-606, [2] p.

University of Wisconsin, 1917, PH. D.

Pt. II of thesis.

Thesis note stamped on cover.

"Reprinted from Journal of agricultural research, vol. XI, no. 11, Washington, D. C., December 10, 1917."

19-16525

SB741.F65T6

328 Tomlinson, Charles Weldon.

... The middle Paleozoic stratigraphy of the central Rocky Mountain region ... [Chicago, 1917] 1 p. l., 58 p.

University of Chicago, 1916, PH. D.

"Private edition distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of geology, vol. xxv, nos. 2-4, 1917."
17-30185 QE654.T6

329 Trumbauer, Walter Hänrichs Renner, 1887-

... Gerhart Hauptmann and John Galsworthy; a parallel ... Philadelphia, Pa., 1917. 3 p. l., 9-81 p.

University of Pennsylvania, 1917, PH. D.

17-20525

PT2616.Z9T7

330 Tryon, Rolla Milton.

... Household manufactures in the United States, 1640-1860 ... [Chicago, 1917] 1 p. l., v-xii, 413 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published by the University of Chicago press, Chicago, Illinois, 1917."

17-15931

HC105.T72

331 Tyler, Hazen Greeley.

Equations for imperfect gases ... [Boston, F. H. Gilson company, 1917] v, 30 p.

New York university, 1916, sc. D.

18-1384

QC161.T9

332 Vannoy, Charles Amzi.

Studies on the Athena Parthenos of Pheidias ... [Iowa City, 1917] 57 p.

University of Iowa, 1914, PH. D.

Published also as Humanistic studies, vol. I, no. 5.

18-9680

NB100.V32

- 333 **Van Zandt, John Parker, 1894-**
 Oscillating systems damped by resistance proportional to the square of the velocity ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [415]-431.
 University of California, 1917, PH. D.
 Leaf with thesis note mounted on cover.
 "Reprinted from the Physical review, n. s., vol. x, no. 5, November, 1917."
 18-10041 QA871.V3
- 334 **Venable, Charles Scott.**
 I. Tetracarbonimide as an oxidation product of uric acid. II. A study of the oxidation of uric acid in alkaline solution by hydrogen peroxide ... [Boston ?]
 1917. 15 p.
 Massachusetts institute of technology, 1917, PH. D.
 Abstract of thesis.
 17-22099 QD401.V44
- 335 **Vreeland, Hamilton, 1892-**
 Hugo Grotius, the father of the modern science of international law ... New York, W. D. Gray, 1917. xiii, 246 p., 1 l.
 Columbia university, 1917, PH. D.
 Published also without thesis note.
 17-23035 JX2099.V72
- 336 **Waggoner, Harry Dwight, 1877-**
 The viability of radish seeds (*Raphanus sativus*) as affected by high temperatures and water content ... [Lancaster, Pa., 1917] 2 p. l., p. 299-313, 1 l.
 University of Illinois, 1916, PH. D.
 "Reprinted from the American journal of botany 4 ... May, 1917."
 17-30180 QK740.W3
- 337 **Walker, Jennie Ada, 1879-**
 Influence of certain electrolytes upon the course of the hydrolysis of starch by malt amylase ... Easton, Pa., Eschenbach printing company, 1917. 19, [1] p.
 Columbia university, 1917, PH. D.
 "Reprinted from the Journal of the American chemical society, volume 39, pages 1476-1493."
 17-31407 QD321.W27

- 338 **Wallerstein, Ruth Coons, 1893-**
 ... King John in fact and fiction ... [Philadelphia,
 E. Stern & co., 1917] 58 p.
 University of Pennsylvania, 1917, PH. D.
 17-25967 DA208.W3
- 339 **Wallin, Ivan Emmanuel.**
 The relationships and histogenesis of thymus-like
 structures in *Ammocoetes* ... [Baltimore, 1917] cover-
 title, p. 127-167.
 New York university, 1916, sc. D
 Thesis note is a foot-note on p. 127.
 "Reprinted from the American journal of anatomy, vol. 22, no. 1,
 July, 1917."
 17-27747 QL638.1.W3
- 340 **Waterman, Alan Tower, 1892-**
 ... On the positive ionization from certain hot salts,
 together with some observations on the electrical prop-
 erties of molybdenite at high temperatures ... Lon-
 don, Printed by Taylor and Francis, 1917. 1 p. l., p.
 [225]-247.
 Princeton university, 1916, PH. D.
 "From the Philosophical magazine, vol. xxxiii, March 1917."
 17-20521 QC702.W3
- 341 **Weaver, John Ernest, 1884-**
 A study of the vegetation of southeastern Washington
 and adjacent Idaho ... Lincoln, Neb., 1917. 1 p. l.,
 131, [1] p.
 University of Minnesota, 1916, PH. D.
 "Reprinted from University studies, vol. xvii, no. 1, January, 1917."
 17-21398 QK941.W2W4
- 342 **Webb, Louie Winfield.**
 ... Transfer of training and retroaction, a compara-
 tive study ... [Princeton, Princeton university press,
 1917] 3 p. l., 90 p.
 University of Chicago, 1916, PH. D.
 "A private edition distributed by the University of Chicago libra-
 ries."
 "The trade edition is published by the Psychological review com-
 pany, Princeton, N. J., as Psychological monograph, no. 104, 1917."
 17-31417 LB1059.W4

343 Weeks, Paul Thorne.

A determination of the efficiency of production of X-rays . . . Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [564]-574.

Cornell university, 1917, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 5, November, 1917."

19-18164

QC481.W4

344 Weglein, David Emrich, 1876-

The correlation of abilities of high school pupils . . . Baltimore, The Johns Hopkins press, 1917. vii, 9-101 p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in education no. 1.

18-415

BF431.W4

345 Weimer, James Le Roy, 1887-

Three cedar rust fungi, their life histories and the diseases which they produce . . . [Ithaca, N. Y., 1917] 1 p. l., p. 507-549.

Cornell university, 1916, PH. D.

"Reprint from Cornell university agricultural experiment station Bulletin 390, May, 1917."

18-679

SB733.W4

346 Weiss, Harry, 1891-

Cultural and antigenic differences in strains of *Bacillus typhosus* and studies in the paratyphoid group . . . Boston, Mass. [1917] cover-title, p. 135-173.

Columbia university, 1917, PH. D.

"Reprinted from the Journal of medical research, volume xxxvi, no. 1 (new series, vol. xxxi, no. 1) . . . March, 1917."

17-15957

QR201.T9W4

347 Wells, Mary Evelyn, 1881-

. . . On inequalities of certain types in general linear integral equation theory . . . [Baltimore, 1917] 1 p. l., p. [163]-184, 1 l.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from American journal of mathematics, vol. xxxix, no. 2, April, 1917."

17-15951

QA431.W45

.348 Werner, Oscar Helmuth, 1888-

The unmarried mother in German literature, with special reference to the period 1770-1800 ... New York, Columbia university press, 1917. x, 128 p.

(*Half-title:* Columbia university Germanic studies)

Columbia university, 1917, PH. D.

Published also without thesis note.

17-30161

PT151.I5W4 1917 a

349 Westergaard, Waldemar Christian, 1882-

The Danish West Indies under company rule (1671-1754) with a supplementary chapter, 1755-1917 ... New York, The Macmillan company, 1917. xxiv p., 1 l., 359 p.

University of California, 1915, PH. D.

Thesis note is found in Preface.

17-16559

F2136.W52

350 Weyforth, William Oswald, 1889-

The organization of labor ... Baltimore, 1917. vii, 9-277, [1] p.

Johns Hopkins university, 1915, PH. D.

Published also as Johns Hopkins university studies in historical and political science, ser. xxxv, no. 2.

17-17181

HD6508.W42

351 Whiting, Phineas Westcott, 1887-

... The chromosomes of the common house-mosquito, *Culex pipiens* L. ... [Baltimore, The Waverly press, 1917] cover-title, p. 523-577.

University of Pennsylvania, 1916, PH. D.

"Reprinted from Journal of morphology, vol. 28, no. 2, March, 1917."

17-15945

QH605.W6

352 Whyte, John.

... Young Germany in its relations to Britain ... Menasha, Wis., George Banta publishing company, 1917. 5 p. l., 87 p.

(New York university. Ottendorfer memorial series of Germanic monographs. no. 8)

University of Wisconsin, 1915, PH. D.

Thesis note is found in Preface.

17-31156

PT384.G7W5

353 **Wilkins, Eliza Gregory.**

... "Know thyself" in Greek and Latin literature ...
[Menasha, Wis., George Banta publishing company,
1917] 3 p. l., 104 p., 1 l.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries,
Chicago, Illinois, 1917."

17-30158

PA

354 **Willson, Elizabeth.**

... The Middle English legends of visits to the other
world and their relation to the metrical romances ...
Chicago, Ill., 1917. 52 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries."

19-15794

PR275.W5

355 **Wilson, Arthur John, 1884-**

Influence of phosphorus in feeds on the phosphorus
content of egg, and the chemical character of the phos-
phorus compounds ... [Ithaca ? 1917] 22 p.

Cornell university, 1911, PH. D.

17-22098

QP535.P1W75

356 **Wilson, Gilbert Livingstone, 1868-**

... Agriculture of the Hidatsa Indians; an Indian
interpretation ... Minneapolis, 1917. viii p., 1 l.,
129 p.

(The University of Minnesota. Studies in the social sciences.
no. 9)

University of Minnesota, 1916, PH. D.

Without thesis note.

"Bulletin of the University of Minnesota, November 1917."

17-27877

E99.H6W74

357 **Wilson, James Kenneth, 1881-**

Physiological studies of *Bacillus radicicola* of soybean
(*Soja* Max Piper) and of factors influencing nodule pro-
duction ... [Ithaca, N. Y., 1917] 1 p. l., p. 367-413.

Cornell university, 1914, PH. D.

"Reprinted from Bulletin no. 386, January, 1917, of Cornell univer-
sity agricultural experiment station."

17-15950

QR113.W5

358 Wilson, Lucy, 1888-

The structure of the mercury line, λ 2536 ... Baltimore, 1917. 1 p. l., 340-354, [1] p.

Johns Hopkins university, 1917, PH. D.

Reprinted from Astrophysical journal, vol. XLVI, no. 5.

18-7753

QC462.M4W5

359 Wood, Mary Morton, 1871-

The spirit of protest in Old French literature ... New York, Columbia university press, 1917. xii, 201 p., 1 l.

(Half-title: Columbia university studies in Romance philology and literature)

Columbia university, 1917, PH. D.

Published also without thesis note.

17-31157

PQ155.S7W6 1917

360 Woodbury, Robert Morse, 1889-

Social insurance; an economic analysis ... Ithaca, N. Y., 1917. viii, 171 p.

Cornell university, 1915, PH. D.

Published also as Cornell studies in history and political science no. 4, 1917.

17-11011

HD7091.W7

361 Wright, Horace Wetherill, 1884-

... The sacra Idulia in Ovid's Fasti; a study of Ovid's credibility in regard to the place and the victim of this sacrifice ... Newark, N. J., The Essex press, 1917. 54 p.

University of Pennsylvania, 1917, PH. D.

17-21806

PA

362 Wroth, Benjamin Blackiston, 1887-

A study of the solubilities of liquids in liquids. The partition of the lower alcohols between water and cottonseed oil ... [Gettysburg, Pa., Gettysburg compiler print, 1917] 21 p.

Johns Hopkins university, 1916, PH. D.

17-19608

QD543.W8

363 Wylie, Harry Hanes.

... An experimental study of transfer of response in white rats ... [Chicago ? 1917] 2 p. l., 65, [1] p.

University of Chicago, 1917, PH. D.

Published also as Behavior monographs, v. 3, no. 5, serial no. 16.

19-12713

QL785.W9

364 Young, Lewis Emanuel; 1878-

Mine taxation in the United States ... [Urbana, Ill., 1917] 1 p. l., 5-275, [1] p.

University of Illinois, 1915, PH. D.

"Reprinted from the University of Illinois studies in the social sciences, vol. v, no. 4."

17-15934

HJ5635.M6Y6 1917 a

365 Zaugg, Elmer Harry.

... A genetic study of the spirit-phenomena in the New Testament ... [Menasha, Wis., 1917] 2 p. l., 139 p.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1917."

17-30599

BS680.S8Z4

366 Zeller, Sanford Myron, 1885-

... Physiology of *Lenzites saepiaria* Fries, with special reference to enzyme activity ... [St. Louis ? 1917] cover-title, p. 439-512.

(Washington university doctoral dissertations.)

Washington university, St. Louis, 1917, PH. D.

"Publications of Washington university, Saint Louis, series v, number 27."

"Reprinted from Annals of the Missouri botanical garden, November, 1916, vol. III, no. 4."

18-9192

QK601.Z4

367 Ziegler, Victor.

... Foothills structure in northern Colorado ... [Golden, Colo., Transcript ptg. co., 1917] 39 p.

(Colorado school of mines quarterly, vol. XII. April, 1917. no. 2)

University of Denver, 1917, PH. D.

Slip with thesis note inserted.

18-11722

QE91.Z5

368 **Zucker, Adolf Eduard**, 1890-

... Robert Reitzel ... Philadelphia, Americana germanica press, 1917. 74 p.

(*Half-title*: Americana germanica ... Editor: Marion Dexter Learned. [new ser., no. 25])

University of Pennsylvania, 1917, PH. D.
17-13652

PT3919.R35Z97

SECTION II

CLASSIFIED LISTS OF THE THESES OF 1917, ARRANGED UNDER THE BROAD CLASSES OF THE LIBRARY OF CONGRESS SCHEME

**The 21 titles supplementary to the lists of 1913, 1914, and
1916 are included**

95

CLASSIFIED LISTS OF THE THESES OF 1917, ARRANGED UNDER THE BROAD CLASSES OF THE LIBRARY OF CONGRESS SCHEME

The 21 titles supplementary to the lists of 1913, 1914, and 1916 are included.

Entries are given in same form as in Section I; titles are repeated if theses treat of more than one subject and the subjects belong to different classes.

A somewhat minute subject index may be found in Section III following.

Philosophy, Religion

(Class B)

Arms, Richard Allen, 1893—

... The notion of number and the notion of class ...
Philadelphia, 1917. 74 p.

University of Pennsylvania, 1917, PH. D.

Armstrong, Mary Emma, 1872—

... The significance of certain colors in Roman ritual
... Menasha, Wis., George Banta publishing company,
1917. vi, 52 p., 1 l.

Johns Hopkins university, 1915, PH. D.

Auweiler, Edwin J., 1881—

The "Chronica fratris Jordani a Giano" Washington,
D. C. [National capital press, inc.] 1917. 63, [1] p.

Catholic university of America, 1917, PH. D.

Brigham, Carl Campbell, 1890—

Variable factors in the Binet tests ... Princeton, Prince-
ton university press, 1917. 3 p. l., 92, [249]—254 p.

Princeton university, 1916, PH. D.

Published also as pt. I of his "Two studies in mental tests."

Bussey, Gertrude Carman, 1888—

Typical recent conceptions of freedom ... Greenfield,
Mass., Press of T. Morey & son, 1917. viii, 101 p., 1 l.

Northwestern university, 1915, PH. D.

"Chapters II and VII (with some changes) have appeared in the *Monist*
and the *Philosophical review*."

Colman, George Tilden.

... Certain movements in England and America which influenced the transition from the ideals of personal righteousness of the seventeenth century to the modern ideals of social service ... [Menasha, Wis., 1917] 4 p. l., 107 p.

University of Chicago, 1914, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1917."

Dotterer, Ray Harbaugh, 1880-

The argument for a finitist theology ... Lancaster, Pa., Press of the New era printing company, 1917. v, 83 p.

Johns Hopkins university, 1917, PH. D.

Durant, William James, 1885-

Philosophy and the social problem ... New York, The Macmillan company, 1917. 2 p. l., vii-x p., 1 l., 272 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

Efros, Israel Isaac, 1890-

... The problem of space in Jewish mediaeval philosophy ... New York, Columbia university press, 1917. 5 p. l., 125 p., 1 l.

(Columbia university oriental studies. vol. xi)

Columbia university, 1916, PH. D.

Erb, Frank Otis.

... The development of the young people's movement ... [Chicago, 1917] 1 p. l., v-vi, 122 p.

University of Chicago, 1913, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published by the University of Chicago press, Chicago, Illinois, 1917."

Fisher, Lizette Andrews, 1868-

The mystic vision in the Grail legend and in the Divine comedy ... New York, Columbia university press, 1917. x p., 1 l., 148 p., 1 l.

(Half-title: Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.

Published also without thesis note.

Folsom, Joseph Kirk, 1893-

A statistical study of character ... Worcester, Mass., 1917. 1 p. l., 47 p.

Columbia university, 1917, PH. D.

"Reprinted, slightly enlarged, from Pedagogical seminary, vol. xxiv, pp. 399-440."

Gates, Arthur Irving, 1890-

Recitation as a factor in memorizing ... New York [University printing office, Columbia university] 1917. 4 p. l., 104 p., 1 l.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology no. 40."

George, Salem Shihadeh, 1892-

Attitude in relation to the psychophysical judgment ... [Worcester, 1917] 1 p. l., 37 p.

Cornell university, 1916, PH. D.

"Reprinted from the American journal of psychology, vol. xxviii, 1917."

Gray, Clarence Truman.

... Types of reading ability as exhibited through tests and laboratory experiments ... Chicago, Ill., The University of Chicago press, 1917. xiii, [1], 196 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. I, no. 5."

Gray, Henry David, 1873-

... Emerson; a statement of New England transcendentalism as expressed in the philosophy of its chief exponent ... Stanford University, Cal., The University, 1917. 110 p., 1 l.

(Leland Stanford junior university publications. University series. [29])

Columbia university, 1905, PH. D.

Published also without thesis note.

Guthrie, Kenneth Sylvan, 1871-

Numenius of Apamea, the father of neo-Platonism; works, biography, message, sources, and influence ... London, G. Bell and sons; Grantwood, N. J., Comparative literature press [1917] 1 p. l., iv, 215 p.

Columbia university, 1914, PH. D.

Holtz, Adrian Augustus.

... A study of the moral and religious elements in American secondary education up to 1800 ... [Menasha, Wis., 1917] 3 p. l., 86 p.

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the Collegiate press, George Banta publishing company, Menasha, Wisconsin, 1917."

Humpstone, Henry Judson, 1870-

... Some aspects of the memory span test. A study in associability ... Philadelphia, Pa., The Psychological clinic press, 1917. 30, [1] p.

University of Pennsylvania, 1917, PH. D.

Johnson, Buford Jennette, 1880-

Experimental study of motor abilities of children in the primary grades ... Baltimore, The Johns Hopkins press, 1917. vii, 9-63 p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in education no. 2.

Jones, Edward Safford, 1888-

... The influence of age and experience on correlations concerned with mental tests ... [Chicago, 1917] 4 p. l., [3]-89 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by Warwick & York, inc., Baltimore, Md., 1917" as Educational psychology monographs no. 22.

Kitch, Ethel May.

... The origin of subjectivity in Hindu thought ... [Chicago, 1917] 1 p. l., 5-82 p.

University of Chicago, 1914, PH. D.

"Philosophic studies, no. 7, the University of Chicago press, Chicago, Illinois, 1917."

Kitson, Harry Dexter.

... The scientific study of the college student ... [Princeton, Princeton university press, 1917] iv p., 1 l., 81 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published as no. 98 of the Psychological monographs by Psychological review company, Princeton, N. J."

Klein, Arthur Jay, 1884-

Intolerance in the reign of Elizabeth, queen of England ...
[Boston and New York, 1917] 4 p. l., [v]-xi, 218 p., 1 l.

Columbia university, 1917, PH. D.
Published also without thesis note.

Lyon, Darwin Oliver, 1887-

The relation of quickness of learning to retentiveness ...
New York, 1916. v, 60 p., 1 l.

Columbia university, 1917, PH. D.
"Reprinted from Archives of psychology no. 34."

MacHarg, John Brainerd, 1873-

Visual representations of the Trinity; an historical survey ... Cooperstown, N. Y., The Arthur H. Crist publishing co., 1917. 4 p. l., 139, [1] p.

Columbia university, 1917, PH. D.
Published also without thesis note.

May, Mark Arthur, 1891-

The mechanism of controlled association ... New York, 1917. iv, 75 p.

Columbia university, 1917, PH. D.
"Reprinted from Archives of psychology, no. 39."

Mead, Cyrus De Witt, 1875-

The relations of general intelligence to certain mental and physical traits ... New York city, Teachers college, Columbia university, 1916. 2 p. l., 117, [1] p.

Columbia university, 1915, PH. D.
Published also as Contributions to education, Teachers college, Columbia university, no. 76.
Chapters II and III are reprinted from the Pedagogical seminary, Dec. 1913, and Sept. 1914.

Moran, Sister Mary Evaristus, 1870-

The consolations of death in ancient Greek literature ...
[Washington, D. C., National capital press, inc., 1917] 85, [1] p.

Catholic university of America, 1917, PH. D.

Notz, William Frederick.

The Masoretic text of Nahum, critically compared with the ancient versions . . .

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [73]-81)

University of Wisconsin, 1909, PH. D.

Abstract of thesis.

Parkhurst, Helen Huss, 1887-

Recent logical realism . . . Bryn Mawr, Pa., 1917. iii, 67 p.

Bryn Mawr college, 1917, PH. D.

Pechstein, Louis Augustus.

. . . Whole vs. part methods in motor learning. A comparative study . . . [Princeton, Princeton university press, 1917] 3 p. l., 80 p.

University of Chicago, 1916, PH. D.

"Published as no. 99 of the Psychological monographs."

Peckham, George Williams, 1885-

Logic of Bergson's philosophy . . . New York [University printing office, Columbia university] 1917. vii, 68 p., 1 l.

Columbia university, 1916, PH. D.

Published also as Archives of philosophy, no. 8.

Reider, Joseph, 1884-

Prolegomena to a Greek-Hebrew & Hebrew-Greek index to Aquila . . . Philadelphia, 1916. 2 p. l., 160 p.

Dropsie college for Hebrew and cognate learning, 1913, PH. D.

Published also in the Jewish quarterly review, new series, vol. iv, no. 3, 1914, p. 321-356; vol. iv, no. 4, 1914, p. 577-620; vol. vii, no. 3, 1917, p. 287-366.

Reymert, Martin Luther.

The psychology of the teacher; an introductory study . . . [Worcester, Mass., 1917] 1 p. l., p. [521]-558.

Clark university, 1917, PH. D.

"Reprinted from the Pedagogical seminary, December, 1917, vol. xxiv."

Rogers, Anna Sophie.

An analytical study of visual perceptions . . . [Worcester, Mass., 1917] 1 p. l., p. [519]-577, 1 l.

University of Illinois, 1917, PH. D.

"Reprinted from the American journal of psychology, October, 1917, vol. xxviii."

Rogers, Elizabeth Frances, 1892-

Peter Lombard and the sacramental system ... New York, 1917. 4 p. l., 250 p., 1 l.

Columbia university, 1917, PH. D.

Rosenow, Curt.

... The analysis of mental functions ... [Princeton, 1917] 2 p. l., 43 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the Psychological review company, Princeton, N. J., as Psychological monograph no. 000. [106]"

Ruml, Beardsley.

... The reliability of mental tests in the division of an academic group ... [Princeton, 1917] 2 p. l., 63 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by Psychological review co., 1917, reprinted from Psychological monographs, vol. xxiv, no. 4, October, 1917."

Schmidt, William Anton.

... An experimental study in the psychology of reading ... [Chicago, Printed by the University of Chicago press, 1917] iv, 126 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

Published also as Supplementary educational monographs published in conjunction with the School review and the Elementary school journal, vol. i, no. 2; whole no. 2, April 1917.

Shields, Emily Ledyard, 1883-

... The cults of Lesbos ... Menasha, Wis., George Banta publishing company, 1917. xviii, 100 p., 1 l.

Johns Hopkins university, 1915, PH. D.

Smith, Louise Pettibone, 1887-

The Messianic ideal of Isaiah ... [New Haven, 1917] [1], 158-212 p., 1 l.

Bryn Mawr college, 1917, PH. D.

Reprinted from the Journal of Biblical literature, vol. xxxvi, pts. 3 and 4, September-December 1917.

Sockman, Ralph Washington, 1889-

The revival of the conventual life in the Church of England in the nineteenth century ... New York city, Printed by W. D. Gray, 1917. 229, [1] p.

Columbia university, 1917, PH. D.

Spindler, George Washington, 1877-

Karl Follen; a biographical study ... [Chicago, 1917] 234 p., 1 l.

University of Illinois, 1916, PH. D.

Webb, Louie Winfield.

... Transfer of training and retroaction, a comparative study ... [Princeton, Princeton university press, 1917] 3 p. l., 90 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by the Psychological review company, Princeton, N. J., as Psychological monograph, no. 104, 1917."

Weglein, David Emrich, 1876-

The correlation of abilities of high school pupils ... Baltimore, The Johns Hopkins press, 1917. vii, 9-101 p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in education no. 1.

Zaugg, Elmer Harry.

... A genetic study of the spirit-phenomena in the New Testament ... [Menasha, Wis., 1917] 2 p. l., 139 p.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1917."

History

(except America)

(Class D)

Armstrong, Mary Emma, 1872-

... The significance of certain colors in Roman ritual ... Menasha, Wis., George Banta publishing company, 1917. vi, 52 p., 1 l.

Johns Hopkins university, 1915, PH. D.

Brewster, Ethel Hampson, 1886-

Roman craftsmen and tradesmen of the early empire ...
Menasha, Wis., George Banta publishing company, 1917.
xiv, 101 p.

University of Pennsylvania, 1915, PH. D.

Cowles, Frank Hewitt, 1884-

Gaius Verres; an historical study ... Ithaca, N. Y.
[Press of Andrus & Church, 1917] 3 p. l., 207 p.

Cornell university, 1916, PH. D.

Published also as Cornell studies in classical philology, v. 20, 1917.

Gorman, Sister Mary Rosaria, 1880-

The nurse in Greek life ... Boston [Foreign languages
print co.] 1917. 51 p., 1 l.

Catholic university of America, 1917, PH. D.

Lacey, Raymond Henry, 1876-

The equestrian officials of Trajan and Hadrian: their
careers, with some notes on Hadrian's reforms ... Prince-
ton, Princeton university press; [etc., etc.] 1917. vii, 87 p.

Princeton university, 1915, PH. D.

Latourette, Kenneth Scott.

... The history of early relations between the United
States and China, 1784-1844 ... New Haven, Conn., Yale
university press, 1917. 209 p.

(Transactions of the Connecticut academy of arts and sciences, v. 22.
August, 1917)

Yale university, 1909, PH. D.

Without thesis note.

Lofberg, John Oscar.

.... Sycophancy in Athens ... Chicago, Ill., 1917. xi,
104 p.

University of Chicago, 1914, PH. D.

"Private edition, distributed by the University of Chicago libraries."

Olgin, Moissaye Joseph, 1874-

The soul of the Russian revolution ... New York, H.
Holt and company, 1917. x p., 3 l., 3-423 p.

Columbia university, 1918, PH. D.

Without thesis note.

Relf, Frances Helen, 1874—

The petition of right ... [Minneapolis, 1917] cover-title, v, [2], 74 p.

University of Minnesota, 1916, PH. D.

Published also as the University of Minnesota Studies in the social sciences, no. 8.

Scheifley, William H., 1876—

... Brieux and contemporary French society ... [New York] The Knickerbocker press, G. P. Putnam's sons, 1917. x p., 1 l., 436 p.

University of Pennsylvania, 1914, PH. D.

Published also without thesis note.

Schmitt, Bernadotte Everly.

British policy and the treaty of Berlin, 1878-1887 ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [137]-150)

University of Wisconsin, 1910, PH. D.

Abstract of thesis.

Scholz, Richard Frederick.

Municipal and feudal tendencies in Roman imperial administration, with special references to the edict of Caracalla ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [83]-108)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

Shields, Emily Ledyard, 1883—

... The cults of Lesbos ... Menasha, Wis., George Banta publishing company, 1917. xviii, 100 p., 1 l.

Johns Hopkins university, 1915, PH. D.

Swartley, Stanley Simpson, 1884— *ed.*

... The life and poetry of John Cutts, by Stanley Simpson Swartley ... Philadelphia, Press of Deputy brothers company, 1917. L, 37 p.

University of Pennsylvania, 1917, PH. D.

With reproduction of t.-p. of the original edition: Poetical exercises written upon several occasions ... London, 1687.

Takahashi, Seigo, 1891-

A study of the origin of the Japanese state ... New York city, Printed by W. D. Gray, 1917. 97 p., 1 l.
Columbia university, 1917, PH. D.

Vannoy, Charles Amzi.

Studies on the Athena Parthenos of Pheidias ... [Iowa City, 1917] 57 p.

University of Iowa, 1914, PH. D.

Published also as Humanistic studies, vol. I, no. 5.

Wallerstein, Ruth Coons, 1893-

... King John in fact and fiction ... [Philadelphia, E. Stern & co., 1917] 58 p.

University of Pennsylvania, 1917, PH. D.

America**Classes (E-F)****Boucher, Chauncey Samuel, 1886-**

The nullification controversy in South Carolina ... Chicago, Ill., The University of Chicago press [1916] xi, 399 p.

University of Michigan, 1914, PH. D.

Published also without thesis note.

Dunn, William Edward, 1888-

... Spanish and French rivalry in the Gulf region of the United States, 1678-1702; the beginnings of Texas and Pensacola ... Austin, Tex., The University [1917] 238 p., 1 l.

(University of Texas bulletin. no. 1705: Jan. 20, 1917)

Columbia university, 1917, PH. D.

"Studies in history no. 1."

Published also without thesis note.

Gittinger, Roy, 1878-

The formation of the state of Oklahoma (1803-1906) ... [Berkeley, 1917] cover-title, xii, 256 p.

University of California, 1916, PH. D.

Thesis t.-p. attached to the cover of the original issue, which was published as University of California Publications in history, vol. VI.

Gray, Lewis Cecil.

The genesis and expansion of the plantation system in the southern states of North America during the colonial period ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [19]-34)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

Harris, Wilmer Carlyle.

... Public life of Zachariah Chandler, 1851-1875 ...
[Chicago, 1917] 5 p., 1 l., [7]-152 p.

(*Lettered on cover:* University series II. Michigan historical publications)

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libraries. The regular edition is published by the Michigan historical commission 1917."

Keir, Robert Malcolm, 1887-

... Some influences of environment in Massachusetts ...
Lancaster, Pa., Press of the New era printing company, 1917.
1 p. l., 25 p.

University of Pennsylvania, 1917, PH. D.

Reprinted from the Bulletin of the Geographical society of Philadelphia, vol. xv, no. 3, July, 1917; vol. xv, no. 4, October, 1917.

Latourette, Kenneth Scott.

... The history of early relations between the United States and China, 1784-1844 ... New Haven, Conn., Yale university press, 1917. 209 p:

(Transactions of the Connecticut academy of arts and sciences, v. 22. August, 1917)

Yale university, 1909, PH. D.

Without thesis note.

Leake, James Miller, 1879-

The Virginia committee system and the American revolution ... Baltimore, 1917. ix, 11-157, [1] p.

Johns Hopkins university, 1914, PH. D.

Published also as Johns Hopkins university studies in historical and political science, v. 35, no. 1, 1917.

MacArthur, Mildred Sherwood, 1886-

History of the German element in the state of Colorado ...
[Chicago, German-American historical society of Illinois,
1917] 2 p. l., 3-51 p.

Cornell university, 1914, PH. D.

"Reprinted from 'Jahrbuch der Deutsch-amerikanischen historischen
gesellschaft von Illinois,' jahrgang xvi, Chicago, 1917."

Pearson, Charles Chilton.

The readjuster movement in Virginia ... New Haven,
Yale university press; [etc., etc.] 1917. viii p., 1 l., 191 p.

(*Half-title*: Yale historical publications. Miscellany. iv)

Yale university, 1913, PH. D.

Without thesis note.

Schappelle, Benjamin Franklin, 1885-

... The German element in Brazil, colonies and dia-
lect ... Philadelphia, Americana germanica press, 1917.
3 p. l., 5-66 p.

(Americana germanica, no. 26)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

Schlesinger, Arthur Meier, 1888-

The colonial merchants and the American revolution,
1763-1776 ... New York, 1917. 631 p.

Columbia university, 1918, PH. D.

Published also as Studies in history, economics and public law, ed. by
the Faculty of political science of Columbia university. vol. LXXVIII;
whole no. 182.

Slade, William Franklin.

The federation of Central America ... Worcester, Mass.
[1917] 1 p. l., p. 79-150, 204-275.

Clark university, 1917, PH. D.

"Reprinted from the Journal of race development, vol. 8."

Steiner, Jesse Frederick.

... The Japanese invasion; a study in the psychology of
inter-racial contacts ... [Chicago, 1917] xvii p., 1 l., 231 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries.
The trade edition [without thesis note] is published by A. C. McClurg &
co., Chicago, 1917."

Westergaard, Waldemar Christian, 1882-

The Danish West Indies under company rule (1671-1754) with a supplementary chapter, 1755-1917 ... New York, The Macmillan company, 1917. xxiv p., 1 l., 359 p.

University of California, 1915, PH. D.

Thesis note is found in Preface.

Wilson, Gilbert Livingstone, 1868-

... Agriculture of the Hidatsa Indians; an Indian interpretation ... Minneapolis, 1917. viii p., 1 l., 129 p.

(The University of Minnesota. Studies in the social sciences. no. 9)

University of Minnesota, 1916, PH. D.

Without thesis note.

"Bulletin of the University of Minnesota, November 1917."

Geography, Anthropology

(Class G)

Keir, Robert Malcolm, 1887-

... Some influences of environment in Massachusetts ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., 25 p.

University of Pennsylvania, 1917, PH. D.

Reprinted from the Bulletin of the Geographical society of Philadelphia, vol. xv, no. 3, July, 1917; vol. xv, no. 4, October, 1917.

Reeves, Frank, 1886-

The absence of water in certain sandstones of the Appalachian oil-fields ... [Lancaster, Pa., Press of the New era printing company, 1917] 1 p. l., [1], 354-378 p., 1 l.

Johns Hopkins university, 1916, PH. D.

"Reprinted from Economic geology, vol. xii., no. 4, June, 1917."

Starck, Adolf Taylor, 1889-

Der alraun, ein beitrage zur pflanzenagenkunde ... Baltimore, J. H. Furst company, 1917. iv, 85 p., 1 l.

Johns Hopkins university, 1916, PH. D.

Published also as New York university, Ottendorfer memorial series of Germanic monographs. no. 14.

Wilson, Gilbert Livingstone, 1868-

... Agriculture of the Hidatsa Indians; an Indian interpretation ... Minneapolis, 1917. viii p., 1 l., 129 p.

(The University of Minnesota. Studies in the social sciences. no. 9)

University of Minnesota, 1916, PH. D.

Without thesis note.

"Bulletin of the University of Minnesota, November 1917."

Social Sciences**(Class H)****Bell, Herbert Clifford, 1881-**

... Studies in the trade relations of the British West Indies and North America, 1763-1773; 1783-1793 ... Philadelphia, 1917. 1 p. l., p. [429]-441, 272-287.

University of Pennsylvania, 1909, PH. D.

Reprinted from the English historical review, July 1916, p. [429]-441; from the American historical review, vol. xxii, no. 2, January 1917, p. 272-287.

Blanchard, Ralph Harrub, 1890-

... Industrial accidents and workmen's compensation ... New York, London, D. Appleton and company, 1917. 2 p. l., 3-78 p.

University of Pennsylvania, 1916, PH. D.

Published also as parts I-II of the author's Liability and compensation insurance.

Boyce, Warren Scott, 1878-

Economic and social history of Chowan County, North Carolina, 1880-1915 ... New York, 1917. 296 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. lxxvi, no. 1, whole no. 179.

Colman, George Tilden.

... Certain movements in England and America which influenced the transition from the ideals of personal righteousness of the seventeenth century to the modern ideals of social service ... [Menasha, Wis., 1917] 4 p. l., 107 p.

University of Chicago, 1914, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1917."

Crafer, Thomas Woodside Bentley.

Public poor relief ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [7]-18)

University of Wisconsin, 1907, PH. D.

Abstract of thesis.

Cumberland, William Wilson, 1890-

Cooperative marketing, its advantages as exemplified in the California fruit growers exchange ... Princeton, N. J., Princeton university press; [etc., etc.] 1917. viii, 226 p.

Princeton university, 1916, PH. D.

Published also without thesis note.

Cushman, Robert Eugene, 1889-

Excess condemnation ... New York and London, D. Appleton and company, 1917. x p., 1 l., 323 p., 1 l.

Columbia university, 1917, PH. D.

Published also in the National municipal league series.

Davis, Joseph Stancliffe.

Essays in the earlier history of American corporations ... Cambridge, Harvard university press; [etc., etc.] 1917. 2 v.

(Half-title: Harvard economic studies ... vol. xvi)

Harvard university, 1913, PH. D.

Without thesis note.

Durant, William James, 1885-

Philosophy and the social problem ... New York, The Macmillan company, 1917. 2 p. l., vii-x p., 1 l., 272 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

Emmet, Boris, 1885-

Profit sharing in the United States ... Washington, D. C., 1917. cover-title, 188 p.

Johns Hopkins university, 1917, PH. D.

Published also as Bulletin of the U. S. Bureau of labor statistics, whole number 208, miscellaneous series, no. 13. Includes also the t.-p. of the original issue.

Gray, Lewis Cecil.

The genesis and expansion of the plantation system in the southern states of North America during the colonial period ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [19]-34)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

Hanna, Mary Alice, 1886-

The trade of the Delaware district before the revolution ... [Northampton, Mass., 1917] 2 p. l., p. [239]-348.

Bryn Mawr college, 1917, PH. D.

"Reprinted from the Smith college studies in history 1917."

Hoagland, Henry Elmer, 1886-

Collective bargaining in the lithographic industry ... New York, 1917. 1 p. l., 5-131 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LXXIV, no. 3, whole no. 176.

Hunter, Merlin Harold.

The development of corporation taxation in the state of New York ... Urbana, Ill., The author, 1917. viii, 177 p.

Cornell university, 1916, PH. D.

Johnson, Axel.

The social and economic effects of unemployment in Milwaukee during 1908-1909 ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [59]-65)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

Kamman, William Frederic, 1885-

... Socialism in German American literature ... Philadelphia, Americana germanica press, 1917. 124 p.

(Added t.-p.: Americana germanica ... xxiv)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

Keir, Robert Malcolm, 1887-

... Some influences of environment in Massachusetts ...
Lancaster, Pa., Press of the New era printing company, 1917.
 1 p. l., 25 p.

University of Pennsylvania, 1917, PH. D.

Reprinted from the Bulletin of the Geographical society of Philadelphia, vol. xv, no. 3, July, 1917; vol. xv, no. 4, October, 1917.

Lee, Judson Fiske.

... Transportation as a factor in the development of
 northern Illinois previous to 1860 ... [Springfield, 1917]
 1 p. l., p. 17-85.

University of Chicago, 1913, PH. D.

"Private edition, distributed by the University of Chicago libraries,
 Chicago, Illinois."

"Reprinted from the Journal of the Illinois state historical society,
 vol. x, no. 1, April, 1917."

Leeds, John Bacon, 1874-

The household budget, with a special inquiry into the
 amount and value of household work ... Germantown,
 Philadelphia, J. B. Leeds [c1917] 246 p.

Columbia university, 1918, PH. D.

Lowrie, Selden Gale.

Classification of industries under the fourteenth amend-
 ment of the Constitution; a study in social legislation ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol.
 1, p. [67]-72)

University of Wisconsin, 1912, PH. D.

Abstract of thesis.

MacGibbon, Duncan Alexander.

... Railway rates and the Canadian railway commission
 ... Boston, Houghton Mifflin company, 1917. 5 p. l., [ix]-
 xv, 264 p., 1 l.

(*Half-title:* Hart, Schaffner & Marx prize essays. xxiv).

University of Chicago, 1915, PH. D.

Originally issued by Houghton Mifflin company without thesis note.
 This issue is identical except for the addition of the thesis t.-p.

Mills, Frederick Cecil, 1892-

Contemporary theories of unemployment and of unemployment relief ... New York, 1917. 2 p. l., 7-179 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LXXIX, no. 1, whole no. 183.

Nearing, Mrs. Nellie Marguerite (Seeds), 1886-

... Education and fecundity ... Chautauqua, N. Y., Chautauqua print shop, 1917. 1 p. l., 19 p.

University of Pennsylvania, 1915, PH. D.

Abstract of thesis.

"Reprint from Publication of American statistical association, June, 1914."

Newcomer, Mabel, 1891-

Separation of state and local revenues in the United States ... New York, 1917. 1 p. l., 5-197 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. LXXVI, no. 2; whole no. 180.

Pearson, Charles Chilton.

The readjuster movement in Virginia ... New Haven, Yale university press; [etc., etc.] 1917. viii p., 1 l., 191 p.

(Half-title: Yale historical publications. Miscellany. iv)

Yale university, 1913, PH. D.

Without thesis note.

Pitman, Frank Wesley.

The development of the British West Indies, 1700-1763 ... New Haven, Yale university press; [etc., etc.] 1917. xiv, [2], 495 p.

(Half-title: Yale historical publications. Studies, iv)

This book in its original form was a doctoral dissertation, Yale university, 1914.

Powell, Chilton Latham, 1885-

English domestic relations, 1487-1653; a study of matrimony and family life in theory and practice as revealed by the literature, law, and history of the period . . . New York, Columbia university press, 1917. xii, 274 p., 1 l.

(Half-title: Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.

Published also without thesis note.

Schlesinger, Arthur Meier, 1888-

The colonial merchants and the American revolution, 1763-1776 . . . New York, 1917. 631 p.

Columbia university, 1918, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. LXXVIII; whole no. 182.

Seybolt, Robert Francis, 1888-

Apprenticeship & apprenticeship education in colonial New England & New York . . . New York city, Teachers college, Columbia university, 1917. 3 p. l., 121, [1] p.

Columbia university, 1916, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 85.

Shukri, Ahmed, 1892-

. . . Muhammedan law of marriage and divorce . . . New York, Columbia university press, 1917. 4 p. l., 126 p., 1 l.

(Contributions to Oriental history and philology, no. VII)

Columbia university, 1916, PH. D.

Speek, Peter Alexander.

. . . The singletax and the labor movement . . . Madison, Wis., 1917. 180 p.

(Bulletin of the University of Wisconsin no. 878. Economics and political science series, v. 8, no. 3)

University of Wisconsin, 1915, PH. D.

Stuckey, Lorin.

The Iowa state federation of labor . . . Iowa City, Ia. [The Chestnutt printing company, 1916] 147 p.

University of Iowa, 1915, PH. D.

Published also as Studies in sociology, economics, politics, and history. vol. IV, no. 3.

Tryon, Rolla Milton.

... Household manufactures in the United States, 1640-1860 ... [Chicago, 1917] 1 p. l., v-xii, 413 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published by the University of Chicago press, Chicago, Illinois, 1917."

Werner, Oscar Helmuth, 1888-

The unmarried mother in German literature, with special reference to the period 1770-1800 ... New York, Columbia university press, 1917. x, 128 p.

(*Half-title*: Columbia university Germanic studies)

Columbia university, 1917, PH. D.

Published also without thesis note.

Weyforth, William Oswald, 1889-

The organizability of labor ... Baltimore, 1917. vii 9-277, [1] p.

Johns Hopkins university, 1915, PH. D.

Published also as Johns Hopkins university studies in historical and political science, ser. xxxv, no. 2.

Woodbury, Robert Morse, 1889-

Social insurance; an economic analysis ... Ithaca, N. Y., 1917. viii, 171 p.

Cornell university, 1915, PH. D.

Published also as Cornell studies in history and political science no. 4, 1917.

Young, Lewis Emanuel, 1878-

Mine taxation in the United States [Urbana, Ill., 1917] 1 p. l., 5-275, [1] p.

University of Illinois, 1915, PH. D.

"Reprinted from the University of Illinois studies in the social sciences, vol. v, no. 4."

Political Science

(Class J)

Boots, Ralph Simpson, 1887-

The direct primary in New Jersey ... New York, 1917. 3 p. l., 347, [3] p.

Columbia university, 1917, PH. D.

Curtis, Eugene Newton, 1880—

The French assembly of 1848 and American constitutional doctrines ... New York, 1917. 2 p. l., 7-359 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, edited by the Faculty of political science of Columbia university, vol. LXXIX, no. 2, whole no. 184.

Debel, Niels Henriksen, 1883—

The veto power of the governor of Illinois ... Urbana, Ill., 1917. 2 p. l., 7-149, [1] p.

University of Illinois, 1916, PH. D.

"Reprinted from the University of Illinois studies in the social sciences, vol. VI, nos. 1 and 2."

Edwards, George William, 1891—

New York as an eighteenth century municipality, 1731-1776 ... New York, 1917. 2 p. l. 7-207 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, edited by the Faculty of political science of Columbia university. vol. LXXV, no. 2, whole no. 178.

Evans, Eldon Cobb.

... A history of the Australian ballot system in the United States ... [Chicago, 1917] v, 102 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the University of Chicago press, Chicago, Illinois, 1917."

Gittinger, Roy, 1878—

The formation of the state of Oklahoma (1803-1906) ... [Berkeley, 1917] cover-title, xii, 256 p.

University of California, 1916, PH. D.

Thesis t.-p. attached to the cover of the original issue, which was published as University of California Publications in history, vol. VI.

Harlow, Ralph Volney.

The history of legislative methods in the period before 1825 ... New Haven, Yale university press; [etc., etc.] 1917. x p., 1 l., 269 p.

(Half-title: Yale historical publications. Miscellany, v)

"The material in chapters I to VII, inclusive, with the exception of a part of chapter II, was worked out in the form of a doctoral dissertation ... [Yale University] in 1913."—Pref.

Hockett, Homer C., 1875-

... Western influences on political parties to 1825; an essay in historical interpretation ... [Columbus] The Ohio state university [1917] 157 p.

(The Ohio state university bulletin. vol. xxii, no. 3. Aug., 1917. The Ohio state university studies. Contributions in history and political science. no. 4)

University of Wisconsin, 1917, PH. D.

Without thesis note.

Latourette, Kenneth Scott.

... The history of early relations between the United States and China, 1784-1844 ... New Haven, Conn., Yale university press, 1917. 209 p.

(Transactions of the Connecticut academy of arts and sciences, v. 22. August, 1917)

Yale university, 1909, PH. D.

Without thesis note.

Leake, James Miller, 1879-

The Virginia committee system and the American revolution ... Baltimore, 1917. ix, 11-157, [1] p.

Johns Hopkins university, 1914, PH. D.

Published also as Johns Hopkins university studies in historical and political science, v. 35, no. 1, 1917.

Lowrie, Selden Gale.

Classification of industries under the fourteenth amendment of the Constitution; a study in social legislation ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [67]-72)

University of Wisconsin, 1912, PH. D.

Abstract of thesis.

Millsbaugh, Arthur Chester, 1883-

Party organization and machinery in Michigan since 1890 ... Baltimore, 1917. viii, 9-189, [1] p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in historical and political science, series xxxv, no. 3.

Peterson, Arthur Everett, 1871-

New York as an eighteenth century municipality prior to 1731 ... New York, 1917. 1 p. l., xi, 201 p.

Columbia university, 1917, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. vol. LXXV, no. 1; whole no. 177.

Relf, Frances Helen, 1874-

The petition of right ... [Minneapolis, 1917] cover-title, v, [2], 74 p.

University of Minnesota, 1916, PH. D.

Published also as the University of Minnesota Studies in the social sciences, no. 8.

Slade, William Franklin.

The federation of Central America ... Worcester, Mass. [1917] 1 p. l., p. 79-150, 204-275.

Clark university, 1917, PH. D.

"Reprinted from the Journal of race development, vol. 8."

Steiner, Jesse Frederick.

... The Japanese invasion; a study in the psychology of inter-racial contacts ... [Chicago, 1917] xvii p., 1 l., 231 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries. The trade edition [without thesis note] is published by A. C. McClurg & co., Chicago, 1917."

Vreeland, Hamilton, 1892-

Hugo Grotius, the father of the modern science of international law ... New York, W. D. Gray, 1917. xiii, 246 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

Wright, Philip Quincy.

The enforcement of international law through municipal law in the United States ... [Urbana, 1916] 1 p. l., 5-264 p.

University of Illinois, 1915, PH. D.

Published also as University of Illinois studies in the social sciences, vol. v, no. 1, March 1916.

Education

(Class L)

Brigham, Carl Campbell, 1890-

Variable factors in the Binet tests ... Princeton, Princeton university press, 1917. 3 p. l., 92, [249]-254 p.

Princeton university, 1916, PH. D.

Published also as pt. 1 of his "Two studies in mental tests."

Counts, George Sylvester.

... Arithmetic tests and studies in the psychology of arithmetic ... Chicago, Ill., The University of Chicago press, 1917, iv, 127 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. 1, no. 4."

De Busk, Burchard Woodson.

The vital index in development ... [Worcester, 1917] 1 p. l., 18 p.

Clark university, 1915, PH. D.

"Reprinted from the Pedagogical seminary, March, 1917, vol. xxiv."

Devlin, Sister Mary Ruth, 1868-

The pedagogical value of willingness for disinterested service as developed in the training school of the state teacher and in the religious novitiate and the religious life ... Washington, D. C. [National capital press, inc.] 1917. 154 p.

Catholic university of America, 1917, PH. D.

Gates, Arthur Irving, 1890-

Recitation as a factor in memorizing ... New York [University printing office, Columbia university] 1917. 4 p. l., 104 p., 1 l.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology no. 40."

Gray, Clarence Truman.

... Types of reading ability as exhibited through tests and laboratory experiments ... Chicago, Ill., The University of Chicago press, 1917. xiii, [1], 196 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. 1, no. 5."

Gray, William Scott.

... Studies of elementary-school reading through standardized tests [Chicago, University of Chicago press, 1917] viii, 157 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

Published also as Supplementary educational monographs, published in conjunction with the School review and the Elementary school journal, no. 1.

Haussmann, Carl Frederick, 1871-

... Kunze's Seminarium and the Society for the propagation of Christianity and useful knowledge among the Germans in America ... Philadelphia, Americana germanica press, 1917. 141 p.

(Americana germanica, no. 27)

University of Pennsylvania, 1916, PH. D.

Published also without thesis note.

Heckert, John Walter, 1872-

The organization of instruction materials, with special relation to the elementary school curriculum ... New York city, Teachers college, Columbia university, 1917. v, 107 p., 1 l.

Columbia university, 1916, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 87.

Holtz, Adrian Augustus.

... A study of the moral and religious elements in American secondary education up to 1800 ... [Menasha, Wis., 1917] 3 p. l., 86 p.

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the Collegiate press, George Banta publishing company, Menasha, Wisconsin, 1917."

Humpstone, Henry Judson, 1870-

... Some aspects of the memory span test. A study in associability ... Philadelphia, Pa., The Psychological clinic press, 1917. 30, [1], p.

University of Pennsylvania, 1917, PH. D.

Johnson, Buford Jennette, 1880—

Experimental study of motor abilities of children in the primary grades . . . Baltimore, The Johns Hopkins press, 1917. vii, 9–63 p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in education no. 2.

Jones, Edward Safford, 1888—

. . . The influence of age and experience on correlations concerned with mental tests . . . [Chicago, 1917] 4 p. l., [3]–89 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by Warwick & York, inc., Baltimore, Md., 1917" as Educational psychology monographs no. 22.

Kitson, Harry Dexter.

. . . The scientific study of the college student . . . [Princeton, Princeton university press, 1917] iv p., 1 l., 81 p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition [without thesis note] is published as no. 98 of the Psychological monographs by Psychological review company, Princeton, N. J."

Koos, Leonard Vincent, 1891—

. . . The administration of secondary-school units . . . Chicago, Ill., The University of Chicago press, 1917. ix, 194 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. i, no. 3."

Loram, Charles Templeman, 1879—

The education of the South African native . . . [New York] Columbia university, 1915. 4 p. l., vii–xx, 340 p.

Columbia university, 1918, PH. D.

Has also added t.-p. without thesis note, with imprint: London, New York [etc.] Longmans, Green, and co., 1917.

Lyon, Darwin Oliver, 1887—

The relation of quickness of learning to retentiveness . . . New York, 1916. v, 60 p., 1 l.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology no. 34."

Mead, Cyrus De Witt, 1875-

The relations of general intelligence to certain mental and physical traits ... New York city, Teachers college, Columbia university, 1916. 2 p. l., 117, [1] p.

Columbia university, 1915, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 76.

Chapters II and III are reprinted from the Pedagogical seminary, Dec. 1913, and Sept. 1914.

Monroe, Walter Scott.

... Development of arithmetic as a school subject ... [Washington, 1917] 2 p. l., 3-170 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Bulletin no. 10, United States Bureau of education, 1917."

Nearing, Mrs. Nellie Marguerite (Seeds) 1886-

... Education and fecundity ... Chautauqua, N. Y., Chautauqua print shop, 1917. 1 p. l., 19 p.

University of Pennsylvania, 1915, PH. D.

Abstract of thesis.

"Reprint from Publication of American statistical association, June, 1914."

Pechstein, Louis Augustus.

... Whole vs. part methods in motor learning. A comparative study ... [Princeton, Princeton university press, 1917] 3 p. l., 80 p.

University of Chicago, 1916, PH. D.

"Published as no. 99 of the Psychological monographs."

Pittenger, Benjamin Floyd, 1883-

... The efficiency of college students as related to age at entrance and size of high school ... Bloomington, Ill., Public school publishing company, 1917. 112 p.

University of Chicago, 1916, PH. D.

Published also as Part II of the 16th yearbook of the National society for the study of education.

Reymert, Martin Luther.

The psychology of the teacher; an introductory study ...
[Worcester, Mass., 1917] 1 p. l., p. [521]-558.

Clark university, 1917, PH. D.

"Reprinted from the Pedagogical seminary, December, 1917, vol. xxiv."

Rosenow, Curt.

... The analysis of mental functions ... [Princeton, 1917] 2 p. l., 43 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the Psychological review company, Princeton, N. J., as Psychological monograph no. 000. [106.]"

Ruml, Beardsley.

... The reliability of mental tests in the division of an academic group ... [Princeton, 1917] 2 p. l., 63 p.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by Psychological review co., 1917, reprinted from Psychological monographs, vol. xxiv, no. 4, October, 1917."

Schmidt, William Anton.

... An experimental study in the psychology of reading ... [Chicago, Printed by the University of Chicago press, 1917] iv, 126 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

Published also as Supplementary educational monographs published in conjunction with the School review and the Elementary school journal, vol. i, no. 2; whole no. 2, April 1917.

Smith, Henry Lester, 1876-

A survey of a public school system ... New York city, Teachers college, Columbia university, 1917. xii, 304 p. 1 l
(On cover: Columbia university. Contributions to education. Teachers college series)

Columbia university, 1916, PH. D.

Published also without thesis note.

Theisen, William Walter, 1886-

The city superintendent and the board of education . . .
New York city, Teachers college, Columbia university, 1917.
ix, 137 p., 1 l.

Columbia university, 1917, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 84.

Webb, Louie Winfield.

Transfer of training and retroaction, a comparative study
... [Princeton, Princeton university press, 1917] 3 p. l., 90 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by the Psychological review company,
Princeton, N. J., as Psychological monograph, no. 104, 1917."

Weglein, David Emrich, 1876-

The correlation of abilities of high school pupils . . .
Baltimore, The Johns Hopkins press, 1917. vii, 9-101 p.

Johns Hopkins university, 1916, PH. D.

Published also as Johns Hopkins university studies in education no. 1.

Fine Arts**(Class N)****MacHarg, John Brainerd, 1873-**

Visual representations of the Trinity; an historical survey
... Cooperstown, N. Y., The Arthur H. Crist publishing
co., 1917. 4 p. l., 139, [1] p.

Columbia university, 1917, PH. D.

Published also without thesis note.

Murray, Steuben Butler, 1888-

Hellenistic architecture in Syria . . . Princeton, Princeton
university press; [etc., etc.] 1917. 2 p. l., 54 p.

Princeton university 1912, PH. D.

Vannoy, Charles Amzi.

Studies on the Athena Parthenos of Pheidias . . . [Iowa
City, 1917] 57 p.

University of Iowa, 1914, PH. D.

Published also as Humanistic studies, vol. 1, no. 5.

Language and Literature

(Class P)

Adams, Eleanor Nathalie.

... Old English scholarship in England from 1566-1800
 ... New Haven, Yale university press; [etc., etc.] 1917.
 209 p.

(Yale studies in English, A. S. Cook, editor. LV)
 Yale university, 1914, PH. D.

Baker, Louis Charles.

The German drama in English on the New York stage
 to 1830 ... [Philadelphia] University of Pennsylvania,
 1917. 5 p. l., 168 p.

(Americana germanica, no. 31)
 University of Pennsylvania, 1914, PH. D.

Barstow, Marjorie Latta.

... Wordsworth's theory of poetic diction; a study of the
 historical and personal background of the lyrical ballads
 ... New Haven, Yale university press; [etc., etc.] 1917. xv,
 191 p.

(Yale studies in English, A. S. Cook, editor. LVII)
 Yale university, 1916, PH. D.

Baugh, Albert Croll, 1891- ed.

... William Haughton's Englishmen for my money; or,
 A woman will have her will, ed., with introduction and
 notes, by Albert Croll Baugh ... Philadelphia, 1917. 236 p.

University of Pennsylvania, 1915, PH. D.

Includes reproductions of title-pages of the London editions of 1616, 1626
 and 1631.

Brewster, Ethel Hampson, 1886-

Roman craftsmen and tradesmen of the early empire ...
 Menasha, Wis., George Banta publishing company, 1917.
 xiv, 101 p.

University of Pennsylvania, 1915, PH. D.

Burkhard, Oscar Carl.

... Die behandlung der vorgeschichte in der exposition bei Schiller ... [Menasha, Wis., 1917] 1 p. l., 70 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted with changes from the Ottendorfer series of Germanic monographs, no. 5."

Published in full (vii, 117 p.) in 1916, with title: Die exposition bei Schiller.

Coad, Oral Sumner, 1887-

William Dunlap; a study of his life and works and of his place in contemporary culture ... New York, The Dunlap society, 1917. xiii, 313 p.

Columbia university, 1917, PH. D.

Without thesis note.

Corley, Ames Haven.

... Word-play in the Don Quixote ... New York [etc.] 1917. 2 p. l., 49 p.

Yale university, 1914, PH. D.

"Extrait de la Revue hispanique, tome XL."

Cowles, Frank Hewitt, 1884-

Gaius Verres; an historical study ... Ithaca, N. Y. [Press of Andrus & Church, 1917] 3 p. l., 207 p.

Cornell university, 1916, PH. D.

Published also as Cornell studies in classical philology, v. 20, 1917.

Darkow, Angela Charlotte, 1889-

The spurious speeches in the Lysianic corpus ... Bryn Mawr, Pa., 1917. 95, [1] p.

Bryn Mawr college, 1914, PH. D.

De Forest, John Bellows, 1883-

... Old French borrowed words in the Old Spanish of the twelfth and thirteenth centuries, with special reference to the Cid, Berceo's poems, the Alexandre and Fernán González ...

(In The Romanic review. New York, 1916. vol. vii, no. 4, p. 369-413)

Yale university, 1915, PH. D.

Without thesis note.

Ellison, Lee Monroe.

... The early romantic drama at the English court ...
[Chicago, 1917] vii, 147 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the Collegiate press, George Banta publishing company, Menasha, Wisconsin, 1917."

Filbey, Edward Joseph.

The supplementary participle in Herodotus ... Urbana, Ill., 1917. 71 p.

University of Wisconsin, 1908, PH. D.

Fisher, John Roberts, 1882- ed.

La vie de Saint Eustache, par Pierre de Beauvais; pub. for the first time from the manuscripts of London and Paris, with introduction, notes and index, by John Roberts Fisher ... Lancaster, Pa., Press of the New era printing company, 1917. iii, 69, [1] p.

Columbia university, 1916, PH. D.

"Reprinted from the Romanic review, vol. viii, no. 1, January-March, 1917."

A free rendering (in verse) of an earlier Latin version.

Fisher, Lizette Andrews, 1868-

The mystic vision in the Grail legend and in the Divine comedy ... New York, Columbia university press, 1917. x p., 1 l., 148 p., 1 l.

(Half-title: Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.

Published also without thesis note.

Gillet, Mrs. Myrtle Margaret (Mann)

Die frauen und die frauenverehrung in der höfischen epik nach Gottfried von Strassburg ... [Urbana, Ill., 1913] cover-title, 1 p. l., 28 p.

Smith college, 1912, PH. D.

"This pamphlet is a concise summary of the thesis submitted."

"Published in the Journal of English and Germanic philology, vol. 12, no. 3 (July 1913)"

158464-21-9

Gipson, Alice Edna.

John Home, a study of his life and works with special reference to his tragedy of Douglas and the controversies which followed its first representations ... [Caldwell, Id., The Caxton printers, 1917] viii p., 1 l., 213 p.

Yale university, 1916, PH. D.

Gray, Henry David, 1873-

... Emerson; a statement of New England transcendentalism as expressed in the philosophy of its chief exponent ... Stanford University, Cal., The University, 1917. 110 p., 1 l.

(Leland Stanford junior university publications. University series. [29])
Columbia university, 1905, PH. D.

Published also without thesis note.

Haller, William, 1885-

The early life of Robert Southey, 1774-1803 ... New York, Columbia university press, 1917. ix p., 1 l., 353 p., 1 l.

(*Half-title*: Columbia university studies in English and comparative literature)

Columbia university, 1916, PH. D.

Published also without thesis note.

Hancock, John Leonard.

... Studies in stichomythia ... [Chicago, 1917] v, 97 p.

University of Chicago, 1913, PH. D.

"A private edition distributed by the University of Chicago libraries."

"A trade edition is published by the University of Chicago press, Chicago, Illinois, 1917."

Heffner, Edward Hoch, 1886-

... The sequence of tenses in Plautus ... Philadelphia, Pa.; 1917. 2 p. l., 52 p.

University of Pennsylvania, 1916, PH. D.

Hill, John.

A contribution to Old Spanish lexicography ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. 1, p. [109]-136)

University of Wisconsin, 1913, PH. D.

Abstract of thesis.

Hooton, Earnest Albert.

The pre-Hellenistic stage in the evolution of the literary art at Rome ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [35]-57)

University of Wisconsin, 1911, PH. D.

Abstract of thesis.

Jefferson, Bernard Levi, 1887-

Chaucer and the Consolation of philosophy of Boethius ...
Princeton, Princeton university press; [etc., etc.] 1917.

168 p.

Princeton university, 1914, PH. D.

Kamman, William Frederic, 1885-

... Socialism in German American literature ... Philadelphia, Americana germanica press, 1917. 124 p.

(Added t.-p.: Americana germanica ... XXIV)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

Learned, Henry Dexter, 1893-

... The syntax of Brant's Narrenschiff ... Philadelphia, Americana germanica press, 1917. 54 p.

(Americana germanica, no. 29)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

Lilly, Marie Loretto, 1881-

The georgic; a contribution to the study of the Vergilian type of didactic poetry ... Baltimore, J. H. Furst company, 1917. 3 p. l., 50 p., 1 l.

Johns Hopkins university, 1916, PH. D.

Comprises chapters one, two, and three of Hesperia, Supplementary series: Studies in English philology, no. 6. 1919.

McCullough, Bruce Welker, ed.

... The life and writings of Richard Penn Smith, with a reprint of his play, "The deformed," 1830, by Bruce Welker McCullough ... Menasha, Wis., George Banta publishing company, 1917. 2 p. l., 100 p.

University of Pennsylvania, 1917, PH. D.

Includes a reproduction of the original t.-p. of the play: The deformed, or, Woman's trial ... Philadelphia edition. C. Alexander, pr.; 1830.

McLemore, James Sugars.

The tradition of the Latin accent ... [Charlottesville, Va.] University of Virginia, 1917. 96 p.

University of Virginia, 1912, PH. D.

McMahon, Amos Philip, 1890-

On the second book of Aristotle's Poetics and the source of Theophrastus' definition of tragedy ...

(In Harvard studies in classical philology ... Cambridge, 1917. vol. xxviii, p. 1-46)

"Formed part of a dissertation, The mediaeval conception of comedy and tragedy, submitted in partial fulfilment of the requirements for the degree of PH. D. at Harvard university in 1916."

Mantz, Harold Elmer, 1888-

French criticism of American literature before 1850 ... New York, Columbia university press, 1917. viii p., 1 l., 165, [1] p.

(Half-title: Columbia university studies in Romance philology and literature)

Columbia university, 1917, PH. D.

Published also without thesis note.

Maynard, John Albert.

... Studies in religious texts from Assur ... [Chicago, 1917] 2 p. l., p. 21-59.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted, with additions, from the American journal of Semitic languages and literatures, vol. xxxiv, no. 1, October, 1917."

Meek, Theophile James, 1881-

... Old Babylonian business and legal documents (the R F H collection) ... Chicago, 1917. 2 p. l., p. 203-244, 1 l.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted with additions from the American journal of Semitic languages, xxx, no. 3."

Moran, Sister Mary Evaristus, 1870-

The consolations of death in ancient Greek literature ... [Washington, D. C., National capital press, inc., 1917] 85, [1] p.

Catholic university of America. 1917. PH. D.

Nolle, Alfred Henry.

... The German drama on the St. Louis stage ... [Philadelphia] University of Pennsylvania, 1917. 83 p.

(Americana germanica, no. 32)

University of Pennsylvania, 1915, PH. D.

Patzer, Otto.

Eustache Deschamps as a commentator upon the events and conditions of his time ...

(In University of Wisconsin. Abstracts of theses. Madison, 1917. vol. I, p. [151]-168)

University of Wisconsin, 1907, PH. D.

Abstract of thesis.

Pirazzini, Agide, 1875-

The influence of Italy on the literary career of Alphonse de Lamartine ... New York, Columbia university press, 1917. xii, 160 p., 1 l.

(Half-title: Columbia university studies in Romance philology and literature)

Columbia university, 1917, PH. D.

Published also without thesis note.

Quackenbos, George Payn, 1879- ed. and tr.

... The Sanskrit poems of Mayūra, ed. with a translation and notes and an introduction, together with the text and translation of Bāṇa's Caṇḍīśataka, by George Payn Quackenbos ... New York, Columbia university, 1917. xxii, 362 p., 1 l.

(Added t.-p.: Columbia university Indo-Iranian series, ed. by A. V. W. Jackson. v. 9)

Columbia university, 1915, PH. D.

Published also without thesis note.

Robinson, Edna Moore, 1885-

Tennyson's use of the Bible ... Baltimore, J. H. Furst company, 1917. 3 p. l., v-ix, 43 p., 1 l.

Johns Hopkins university, 1917, PH. D.

"Comprises the introduction and first two chapters of a fuller study on Tennyson's use of the Bible, printed in Hesperia, ergänzungsreihe 4. heft, 1917."

Ruud, Martin Brown.

... An essay toward a history of Shakespeare in Norway
[Urbana, Ill., 1917] 2 p. l., 112 p.

University of Chicago, 1915, PH. D.

"Reprint from Scandinavian studies and notes, Urbana, Illinois, 1917."

Scarborough, Dorothy.

The supernatural in modern English fiction ... New
York and London, G. P. Putnam's sons, 1917. 3 p. l., v-vii.
329 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

Schappelle, Benjamin Franklin, 1885-

... The German element in Brazil, colonies and dialect
... Philadelphia, Americana germanica press, 1917. 3
p. l., 5-66 p.

(Americana germanica, no. 26)

University of Pennsylvania, 1917, PH. D.

Published also without thesis note.

Scheifley, William H., 1876-

... Brioux and contemporary French society ... [New
York] The Knickerbocker press, G. P. Putnam's sons, 1917.
x p., 1 l., 436 p.

University of Pennsylvania, 1914, PH. D.

Published also without thesis note.

Selin, William Edward, ed.

... The case is altered, by Ben Jonson; ed., with intro-
duction, notes, and glossary, by William Edward Selin ...
New Haven, Yale university press; [etc., etc.] 1917. lxvi,
220 p.

(Yale studies in English. A. S. Cook, editor. LVI)

Yale university, 1917, PH. D.

"The text is a reproduction of an original quarto of 1609 owned by Mr.
W. A. White ... The footnotes to the text comprise all variants of the
five copies of the quarto which were collated."—Editor's note.

Sladen, Charles Fischer, 1880-

... The approach of academic to spoken style in German;
a study in popular scientific prose from 1850 to 1914 ...
Philadelphia, Press of Tioga printing house, 1917. 41, [4] p.

University of Pennsylvania, 1917. PH. D.

Sprengling, Martin.

... Antonius Rhetor on versification ... [Chicago, 1916]
1 p. l., p. 145-216.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the American journal of Semitic languages and literatures, vol. xxxii, no. 3, April 1916."

Steadman, John Marcellus, jr.

... The origin of the historical present in English ...
[Menasha, Wis., George Banta publishing company, 1917]
3 p. l., 46 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"The trade edition is published by the University of North Carolina (Studies in philology, vol. xiv) 1917."

Steinke, Martin William, 1886- ed.

Edward Young's "Conjectures on original composition" in England and Germany; a study in literary relations, by Martin William Steinke ... New York, F. C. Stechert co., inc., 1917. 3 p. l., 127 p., 1 l.

University of Illinois, 1914, PH. D.

With reproduction of original t.-p.: Conjectures on original composition in a letter to the author of Sir Charles Grandison ... London, 1759

Stidston, Russell Osborne, 1889-1916.

... The use of *ye* in the function of *thou* in Middle English literature from ms. Auchinleck to ms. Vernon; a study of grammar and social intercourse in fourteenth-century England ... Stanford University, Cal., The University, 1917. 95 p.

(Leland Stanford junior university publications. University series [28])

Leland Stanford junior university, 1914, PH. D.

Published also without thesis note.

Swartley, Stanley Simpson, 1884- ed.

... The life and poetry of John Cutts, by Stanley Simpson Swartley ... Philadelphia, Press of Deputy brothers company, 1917. L, 37 p.

University of Pennsylvania, 1917, PH. D.

With reproduction of t.-p. of the original edition: Poetical exercises written upon several occasions ... London, 1687.

Trumbauer, Walter Hänrichs Renner, 1887-

... Gerhart Hauptmann and John Galsworthy; a parallel ... Philadelphia, Pa., 1917. 3 p. l., 9-81 p.

University of Pennsylvania, 1917, PH. D.

Wallerstein, Ruth Coons, 1893-

... King John in fact and fiction ... [Philadelphia, E Stern & co., 1917] 58 p.

University of Pennsylvania, 1917, PH. D.

Wells, John Edwin, 1875-1947 ()

A manual of the writings in Middle English, 1050-1400 ... pub. under the auspices of the Connecticut academy of arts and sciences. New Haven, Yale university press; [etc., etc.] 1916. xv p., 1 l., 941 p.

Based on thesis (PH. D.) Yale university, 1915, presented under title: A manual of the writings in Middle English, 1050-1400, exclusive of ballads and cycles of drama.

Werner, Oscar Helmuth, 1888-

The unmarried mother in German literature, with special reference to the period 1770-1800 ... New York, Columbia university press, 1917. x, 128 p.

(Half-title: Columbia university Germanic studies)

Columbia university, 1917, PH. D.

Published also without thesis note.

Whyte, John.

... Young Germany in its relations to Britain ... Menasha, Wis., George Banta publishing company, 1917. 5 p. l., 87 p.

(New York university. Ottendorfer memorial series of Germanic monographs. no. 8)

University of Wisconsin, 1915, PH. D.

Thesis note is found in Preface.

Wilkins, Eliza Gregory.

... "Know thyself" in Greek and Latin literature ... [Menasha, Wis., George Banta publishing company, 1917] 3 p. l., 104 p., 1 l.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1917."

Willson, Elizabeth.

... The Middle English legends of visits to the other world and their relation to the metrical romances ... Chicago, Ill., 1917. 52 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries."

Wood, Mary Morton, 1871-

The spirit of protest in Old French literature ... New York, Columbia university press, 1917. xii, 201 p., 1 l.

(Half-title: Columbia university studies in Romance philology and literature)

Columbia university, 1917, PH. D.

Published also without thesis note.

Wright, Horace Wetherill, 1884-

... The sacra Idulia in Ovid's Fasti; a study of Ovid's credibility in regard to the place and the victim of this sacrifice ... Newark, N. J., The Essex press, 1917. 54 p.

University of Pennsylvania, 1917, PH. D.

Zucker, Adolf Eduard, 1890-

... Robert Reitzel ... Philadelphia, Americana germanica press, 1917. 74 p.

(Half-title: Americana germanica ... Editor: Marion Dexter Learned. [new ser., no. 25])

University of Pennsylvania, 1917, PH. D.

Science**(Class Q)****Alexander, Thomas Rush, 1885-**

The quantitative determination of chromium ... Washington, Pa., Observer job rooms, 1917. 11 p.

University of Pennsylvania, 1915, PH. D.

Anderson, Harry Warren, 1885-

The yeast-like *Fungi* of the human intestinal tract ... [Urbana? 1917] 49, [1] p., 1 l.

University of Illinois, 1917, PH. D.

Arms, Richard Allen, 1893-

... The notion of number and the notion of class ...
Philadelphia, 1917. 74 p.

University of Pennsylvania, 1917, PH. D.

Ayres, Arthur Hugo, 1889-

Influence of the composition and concentration of the
nutrient solution on plants grown in sand cultures ...
[Berkeley, 1917] cover-title, p. [341]-394.

University of California, 1916, PH. D.

Thesis t.-p. mounted on the cover of the original issue which was published as University of California publications in agricultural sciences, v. 1, no. 11, January 31, 1917.

Ball, Theodore Rolly.

Heterogeneous equilibria between aqueous and metallic solutions. The interaction of mixed salt solutions and liquid amalgams. A study of the ionization relations of sodium and potassium chlorides and sulfates in mixtures ... [Easton, Pa., 1917] 44 p., 1 l.

University of Illinois, 1916, PH. D.

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 2, page 179."

Barker, Elmer Eugene, 1887-

Heredity studies in the morning-glory (*Ipomoea purpurea* [L.] Roth) ... [Ithaca, 1917] 38 p.

Cornell university, 1914, PH. D.

"Published as Bulletin number 392 of the Cornell university agricultural experiment station, July, 1917."

Benger, Ernest Baden.

The reduction of selenic acid. The reduction of telluric acid ... [Easton, Pa., 1917] [2171]-2179, [1], 2180-2183 p.

University of Wisconsin, 1917, PH. D.

Abstract of thesis.

Title taken from type-written slip mounted on cover.

Thesis note stamped on cover; foot-note on p. [2171] and p. [2179]

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 10, October, 1917."

Bishop, Fred Margeson.

The ionization potential of electrodes in various gases ...
[Lancaster, Pa., and Ithaca, N. Y., 1917] cover-title, [1],
[244]-252 p.

Yale university, 1917, PH. D.

Without thesis note.

"Reprinted from the Physical review, n. s., vol. x, no. 3, September
1917."

Bock, Joseph Carl, 1884-

The determination and occurrence of amino-acids in the
blood ... N[ew] Y[ork] Riverside press, 1917. 47 p.

Cornell university, 1917, PH. D.

Boutwell, Paul Winslow.

... The phytic acid of the wheat kernel and some of its
salts ... [Easton, Pa., 1917] cover-title, p. [491]-503.

University of Wisconsin, 1916, PH. D.

Abstract of thesis.

Thesis note in foot-note on p. [491] and also stamped on cover.

"Reprinted from the Journal of the American chemical society, vol.
xxxix, no. 3. March, 1917."

Bovard, William Miller, 1892-

Inclusions in silver voltameter deposits and the electro-
chemical equivalent of silver ... Easton, Pa., Eschenbach
printing co., 1917. 29, [1] p.

Princeton university, 1917, PH. D.

Brainin, Clement S., 1887-

... An experimental investigation of the total emission
of X-rays from certain metals ... Lancaster, Pa., Press of
the New era printing company, 1917. 1 p. l., p. [461]-
472, 1 l.

(Phoenix physical laboratory contributions no. 36)

Columbia university, 1917, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 5, November,
1917."

Braley, Silas Alonzo.

Heterogeneous equilibria between aqueous and metallic solutions. The interaction of mixed salt solutions and liquid amalgams. A study of the ionization relations of sodium and strontium chlorides in mixtures ... [Easton, Pa., 1917] 36 p., 1 l.

University of Illinois, 1917, PH. D.

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 8, page 1545."

Brigham, Reed Oshea, 1888-

... Assimilation of organic nitrogen by *Zea mays* and the influence of *Bacillus subtilis* on such assimilation ... [Baltimore, 1917] cover-title, 155-195, [1] p., 1 l.

University of Michigan, 1916, PH. D.

"Publication no. 156, Botanical department, University of Michigan. Reprint from Soil science, vol. 3, no. 2, February, 1917."

Brown, William Stephen, 1892-

The electric strength of air at atmospheric pressure under alternating and continuous potentials ... [New York, 1917] cover-title, p. 159-188.

Johns Hopkins university, 1916, PH. D.

Caption title: The electric strength of air.—vii, by J. B. Whitehead and W. S. Brown.

Brumfiel, Daniel Milton.

The animal ecology of Johnson County, a preliminary survey of the major animal habitats of Johnson County, Iowa, with an atlas ... [Iowa City? 1917] 37 p., 1 l.

University of Iowa, 1917, PH. D.

Bullard, James Atkins.

On the structure of finite continuous groups ... [Baltimore, 1917] [1], [430]-450 p.

Clark university, 1917, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix, no. 4, October, 1917."

Burget, George Emanuel.

... Attempts to produce experimental thyroid hyperplasia ... [Boston, 1917] 1 p. l., p. 492-503.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the American journal of physiology, vol. 44, no. 4, November, 1917."

Buswell, Arthur Moses.

Studies in the disinfection of tannery wastes ... [Easton, Pa.] 1917. 31 p.

Columbia university, 1917, PH. D.

"Reprinted from the Journal of the American leather chemists' association, June, 1917."

Campbell, John William, 1889-

... Periodic solutions of the problem of three bodies in three dimensions ... [London, 1917] 1 p. l., [43]-83, [1] p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Proceedings of the London mathematical society, series 2, vol. 16, parts 1 and 2."

Carman, Joel Ernest.

... The Pleistocene geology of northwestern Iowa ... Des Moines, 1917. 2 p. l., p. [235]-445.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Iowa geological survey, volume xxvi, Annual report for 1915."

Carothers, Estella Eleanor, 1882-

The segregation and recombination of homologous chromosomes as found in two genera of *Acrididae* (*Orthoptera*) ... [Baltimore, The Waverly press, 1917] cover-title, p. 445-521.

University of Pennsylvania, 1916, PH. D.

"Reprinted from the Journal of morphology, vol. 28, no. 2, March, 1917."

Cary, William Ernest.

... Studies on virulence and toxin formation in *B. diphtheriae* ... [Chicago, 1917] 30 p.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of infectious diseases, vol. 20, no. 3, March, 1917."

Clark, Elbert Howard.

... Regeneration of medullated nerves in the absence of embryonic nerve fibers, following experimental non-traumatic degeneration ... [Philadelphia, 1914] 1 p. l., p. 61-111.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of comparative neurology, vol. xxiv, no. 1, February, 1914."

Clemens, Wilbert Amie, 1887-

An ecological study of the mayfly *Chirotenetes* ... [Toronto, 1917] 3 p. l., [5]-43 p.

Cornell university, 1915, PH. D.

"Reprinted from University of Toronto studies, Biological series, no. 17."

Compton, Arthur Holly, 1892-

The intensity of X-ray reflection, and the distribution of the electrons in atoms ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [29]-57.

Princeton university, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 1, January, 1917."

Conant, James Bryant.

Studies in the cyclopropane series. By E. P. Kohler and J. B. Conant.

(In American chemical society journal ... Easton, Pa., 1917. vol. xxxix, no. 7, p. 1404-1420, 1699-1715)

Harvard university, 1916, PH. D.

Without thesis note.

Conel, Jesse Le Roy, 1883-

The urogenital system of myxinoids ... [Boston, 1917]
1 p. l., p. 75-163, 1 l.

University of Illinois, 1916, PH. D.

"Contribution from the Zoological laboratory of the University of Illinois. no. 92."

"Reprinted from Journal of morphology, vol. 29, no. 1, June, 1917."

Corson, Harry Peach, 1887-

Manganese in water supplies ... [Urbana, Illinois state water survey, 1917] 66 p.

University of Illinois, 1915, PH. D.

Counts, George Sylvester.

... Arithmetic tests and studies in the psychology of arithmetic ... Chicago, Ill., The University of Chicago press, 1917. iv, 127 p.

University of Chicago, 1916, PH. D.

"Supplementary educational monographs, vol. I, no. 4."

Cox, Lewis Clark, 1882-

The finite groups of birational transformations of a net of cubics ... [Baltimore, 1917] 1 p. l., p. [59]-74.

Cornell university, 1915, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix, no. 1, January, 1917."

Cronin, Sarah Elizabeth.

Geometric properties completely characterizing all the curves in a plane along which the constrained motion is such that the pressure is proportional to the normal component of the acting force ... Lancaster, Pa., Press of the New era printing company, 1917. viii, 34 p.

Columbia university, 1917, PH. D.

Crosby, Elizabeth Caroline.

... The forebrain of *Alligator mississippiensis* ... [Philadelphia, 1917] 1 p. l., p. 325-402.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of comparative neurology, vol. 27, no. 3, 1917."

Dale, Julian Kalfus, 1889-

Studies on the forms of *d*-glucose and their mutarotation
[Easton, Pa., 1917] 1 p. l., [5]-14 p.

Princeton university, 1914, PH. D.

Reprinted from the Journal of the American chemical society, v. 39.
no. 2, February 1917. p. 320-328.

Davies, Earl Claudius Hamilton.

... The orientation of molecules in the surfaces of liquids.
The energy relations at surfaces, solubility, adsorption, emul-
sification, molecular association, and the effect of acids and
bases on interfacial tension ... [Easton, Pa., 1917] 1 p. l.,
56 p.

University of Chicago, 1917, PH. D.

"Private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of the American chemical society, vol.
xxxix, no. 4, April, 1917."

Davis, Harold Simmonds.

Improvements in calorimetric combustion, and the heat
of combustion of toluene. By Theodore W. Richards and
Harold S. Davis....

(In American chemical society journal ... Easton, Pa., 1917. vol.
xxxix, no. 3, p. 341-354)

Harvard university, 1914, PH. D.

Without thesis note.

De Busk, Burchard Woodson.

The vital index in development ... [Worcester, 1917]
1 p. l., 18 p.

Clark university, 1915, PH. D.

"Reprinted from the Pedagogical seminary, March, 1917, vol. xxiv."

De Kruif, Paul Henry, 1890-

The primary toxicity of normal serum ... Chicago
[1917] 1 p. l., p. [717]-775.

University of Michigan, 1916, PH. D.

"Reprinted from the Journal of infectious diseases, vol. 20, no. 6, June.
1917."

Denny, Frank Earl.

... Permeability of certain plant membranes to water
... [Chicago, 1917] 1 p. l., p. 373-397.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 5, May 1917."

"Contributions from the Hull botanical laboratory 230."

Dickey, Robert William, 1891-

The application of the plane grating to the determination
of the index of refraction of a gas with values for air from
λ2500 to λ6500 ... [Chicago, 1917] 1 p. l., p. 189-205.

Johns Hopkins university, 1916, PH. D.

Reprinted from the Astrophysical journal, vol. XLV, no. 3, April, 1917.

Dickson, John Bernard.

A study of methods for determining heats of neutraliza-
tion at different temperatures ... [Boston?] 1917. 14 p.

Massachusetts institute of technology, 1917, PH. D.

Abstract of thesis.

Dolmage, Victor, 1887-

The geology of the Telkwa River district, British Colum-
bia ... [n. p.] 1917. 9 p.

Massachusetts institute of technology, 1917, PH. D.

Abstract of thesis.

Doubt, Sarah Lucinda.

... The response of plants to illuminating gas ... Chi-
cago, Ill., 1917. 1 p. l., p. 209-224.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 3."

"Contributions from the Hull botanical laboratory 227."

Douthitt, Herman, 1886-

... The structure and relationships of *Diplocarulus* ...
Chicago, Ill., The University of Chicago press, 1917. 41 p.

University of Chicago, 1916, PH. D.

"Contributions from Walker museum, vol. II, no. 1."

Dowell, Carr Thomas, 1878-

Experiments with nitrogen chloride and reactions between chlorine and ammonia ... [Easton, Pa., 1917] cover-title, p. [896]-913.

University of California, 1915, PH. D.

Thesis t.-p. attached to the cover of the issue reprinted from the Journal of the American chemical society, vol. xxxix, no. 5, May, 1917, which has title: Experiments with nitrogen trichloride, by C. T. Dowell and William C. Bray. The reactions between chlorine and ammonia, by William C. Bray and C. T. Dowell.

Dunn, Grace Adelaide, 1890-

A study of the development of *Dumontia filiformis* ... [Chicago, 1917] 1 p. l., 425-467, [1] p.

Johns Hopkins university, 1915, PH. D.

Reprinted from the Botanical gazette, vol. LXIII, no. 6, June, 1917.

"Botanical contribution from the Johns Hopkins university, no. 55."

Dupler, Alphaeus William.

... The gametophytes of *Taxus canadensis* Marsh ... [Chicago, 1917] 1 p. l., p. 115-136.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Contributions from the Hull botanical laboratory 234."

"Reprinted from the Botanical gazette, vol. LXIV, no. 2, August 1917."

Ecker, Enrique Eduardo.

... The pathogenic effect and nature of a toxin produced by *B. paratyphosus B* ... [Chicago, 1917] 15 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of infectious diseases, vol. xxi, no. 6, December 1917."

Ehrlich, Jacob, 1892-

The synthesis of certain substituted pyrogallol ethers, including a new acetphenetidine, derived from the ethyl ether of syringic acid; and the solubilities in water of the monohydrate of 2, 6-dimethoxyacetphenetidine ... New York city, W. D. Gray, 1917. 25, [1] p., 1 l.

Columbia university, 1917, PH. D.

Elliott, John Asbury, 1887-

Taxonomic characters of the genera *Alternaria* and *Macrosporium* ... [Lancaster, Pa., Press of the New era printing company, 1917] 1 p. l., p. 439-476, 1 l.

University of Illinois, 1916, PH. D.

"Reprinted from the American journal of botany, 4 ... October, 1917."

Engelder, Carl John, 1890-

Studies in contact catalysis ... [Ithaca, N. Y., 1917] [1], [676]-704 p.

Cornell university, 1917, PH. D.

"Reprinted from Journal of physical chemistry, vol. 21, p. 676 (1917)"

Evans, Ward Vinton, 1883-

The surface tensions of the co-existing layers of the mutually soluble liquid systems, phenol-water, amyl alcohol-water, and triethylamine-water ... Easton, Pa., Eschenbach printing company, 1917. 34 p., 1 l.

Columbia university, 1917, PH. D.

Fitch, Albert Lewis, 1887-

Counter electromotive force in the aluminum rectifier ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [15]-28.

University of Michigan, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 1, January, 1917."

Forbes, Robert Humphrey, 1867-

Certain effects under irrigation of copper compounds upon crops ... [Berkeley, 1917] cover-title, p. [395]-494, 1 l.

University of California, 1916, PH. D.

Thesis t.-p. mounted on cover of original issue, which was published as University of California publications in agricultural sciences, v. 1, no. 12, April 7, 1917.

"Paper no. 31, Citrus experiment station, College of agriculture, University of California, Riverside, California."

Funkhouser, William Delbert.

Biology of the *Membracidae* of the Cayuga Lake basin ... [Ithaca, N. Y., 1917] 2 p. l., p. 177-445.

Cornell university, 1916, PH. D.

"Reprinted from Cornell university agricultural experiment station Memoir 11, June 1917."

Fussler, Karl Hartley, 1887-

The actinium-uranium ratio in Colorado carnotite ...
Lancaster, Pa., Press of the New era printing company, 1917.
1 p. l., [1], [142]-147 p.

University of Pennsylvania, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 2, February, 1917."

Gangloff, Wilmer Charles, 1893-

The action of anhydrous aluminium chloride upon unsaturated organic compounds ... Columbus, O., 1917. 31 p.

Ohio state university, 1917, PH. D.

Gano, Laura Campbell.

... A study in physiographic ecology in northern Florida
... [Chicago, 1917] 1 p. l., p. 337-372.

University of Chicago, 1912, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. lxiii, no. 5, May 1917."

"Contributions from the Hull botanical laboratory 229."

Garman, Philip, 1891-

The *Zygoptera*, or damsel-flies of Illinois ... [Urbana, 1917] 2 p. l., [411]-587, [1] p.

University of Illinois, 1916, PH. D.

"Bulletin of the Illinois state laboratory of natural history, vol. xii, art. iv."

"Contributions from the Entomological laboratories of the University of Illinois, no. 53."

Geiling, Eugene Maximilian Karl, 1891-

The nutritive value of the diamino acids occurring in proteins for the maintenance of adult mice ... [Baltimore, 1917] 2 p. l., p. 173-199, 1 l.

University of Illinois, 1917, PH. D.

"Reprinted from the Journal of biological chemistry, vol. xxxi, no. 1, 1917."

Gibbons, Willis Alexander, 1888-

Heat of dilution of alcohol in benzene ... [Ithaca, N. Y., 1917] 1 p. l., p. [48]-74.

Cornell university, 1916, PH. D.

"Reprinted from Journal of physical chemistry 21, 48 (1917)"

Green, Warren Kimball, 1891-

A study of certain nebulae . . . [Berkeley, 1917] cover-title, p. 92-99.

University of California, 1916, PH. D.

Thesis t.-p. attached to the original issue, which was published as Lick observatory bulletin no. 298.

Groves, James Frederick.

. . . Temperature and life duration of seeds . . . Chicago, Ill., 1917. 1 p. l., p. 169-189.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 3."

"Contributions from the Hull botanical laboratory 226."

Gruse, William Arthur.

. . . The reactions of both the ions and the molecules of acids, bases and salts; the inversion of menthone by sodium, potassium and lithium ethylates, by W. A. Gruse and S. F. Acree. [Easton, Pa., 1917] cover-title, p. [376]-388.

University of Wisconsin, 1916, PH. D.

Thesis note stamped on cover.

"Reprinted from the Journal of the American chemical society, vol. xxxix, no. 3. March, 1917."

Hall, Norris Folger.

Attempt to separate the isotopic forms of lead by fractional crystallization. By Theodore W. Richards and Norris F. Hall . . .

(In American chemical society journal . . . Easton, Pa., 1917. vol. xxxix, no. 4, p. [531]-541)

Harvard university, 1917, PH. D.

Without thesis note.

Hammond, Philo Fay, 1876-

The influence of the metallic ions in an electrolytic solution upon the electric potential of a metal placed in the solution . . . Lancaster, Pa., Press of the New era printing company, 1917. 11 p.

Leland Stanford junior university, 1916, PH. D.

Harding, Arthur McCracken.

... On certain loci projectively connected with a given plane curve ... [Chicago, 1916] 1 p. l., 38 p., 1 l.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from *Giornale di matematiche di Battaglini*, vol. LIV, 1916."

Harrington, Elmer Adna.

The dielectric constant of aqueous solutions ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. 581-594.

Clark university, 1915, PH. D.

"Reprinted from the *Physical review*, n. s., vol. VIII, no. 6, December, 1916."

Harris, Clarence Peavy, 1891-

I. An attempt to synthesise 5-acetaminoterephthalic sulphinide. II. The synthesis of some homologues of the terpenes, derivatives of 1, 4-diisopropylcyclohexane. III. The refractivities and magnetic rotations of certain 1, 4-diisopropenylbenzenes; and the relation of these properties to the problem of the constitution of benzene ... Easton, Pa., Eschenbach printing company, 1917. 61, [1] p.

Columbia university, 1917, PH. D.

Hart, William Le Roy, 1892-

... Differential equations and implicit functions in infinitely many variables ... [Lancaster, Pa., Press of the New era printing company, 1917] 1 p. l., p. 125-160, 1 l.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from *Transactions of the American mathematical society*, vol. 18, no. 2, April, 1917."

Heinicke, Arthur John.

Factors influencing the abscission of flowers and partially developed fruits of the apple (*Pyrus malus* L.) ... [Ithaca, N. Y., 1917] 1 p. l., p. 43-114.

Cornell university, 1916, PH. D.

"Published as Cornell university agricultural experiment station Bulletin 393, July, 1917."

Hickernell, Louis Max, 1887-

A study of desiccation in the rotifer, *Philodina roseola* ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. 343-406.

Princeton university, 1917, PH. D.

"Reprinted from Biological bulletin, vol. xxxii, no. 6, June, 1917."

Hill, Reuben Lorenzo, 1887-

Some aspects of the physiology of mammary secretion ... [Ithaca, N. Y., 1916-17] 1 p. l., 27, [13] p.

Cornell university, 1915, PH. D.

Reprinted from the Journal of the American veterinary medical association, v. 49, no. 4, July 1916, p. 483-510; v. 51, no. 5, Aug. 1917, p. 642-654.

Hine, Thomas Buck, 1888-

The electrical conductivities of dilute sodium, potassium and lithium amalgams ... [Easton, Pa., 1917] cover-title, p. [882]-895.

University of California, 1916, PH. D.

Thesis t.-p. attached to the cover of the issue reprinted from the Journal of the American chemical society, vol. xxxix, no. 5, May, 1917.

Holt, Caroline Maude, 1878-

... Studies on the olfactory bulbs of the albino rat. Part I. Effect of a defective diet and of exercise. Part II. Number of cells in bulb ... [Philadelphia, 1917] 1 p. l., p. 201-259.

University of Pennsylvania, 1916, PH. D.

"Reprinted from the Journal of comparative neurology, vol. 27, no. 2, February, 1917."

Hutchinson, John Foster, 1893-

... The absorption coefficient of solutions of cobalt chloride in water and various alcohols for monochromatic radiation ... Easton, Pa., Eschenbach printing co., 1916. 1 p. l., 15, [1] p.

Johns Hopkins university, 1916, PH. D.

Ishida, Yoshio.

... Kinetic theory of rigid molecules ... [Lancaster, Pa., and Ithaca, N. Y., 1917] 1 p. l., p. 305-321.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Physical review, n. s., vol. x, no. 4, October 1917."

James, Glenn, 1882-

Some theorems on the summation of divergent series ...
New York city, Printed by W. D. Gray, 1917. 28 p.

Columbia university, 1918, PH. D.

Johnson, Harry Isaac, 1889-

The conductivity and dissociation of certain inorganic
and organic salts in formamid and in mixtures of forma-
mid with ethyl alcohol ... [Baltimore? 1917] 31 p.

Johns Hopkins university, 1917, PH. D.

Johnson, John Bertrand.

Total ionization by slow electrons ... [Lancaster, Pa.,
and Ithaca, N. Y., 1917] cover-title, p. [609]-623.

Yale university, 1917, PH. D.

Without thesis note.

"Reprinted from the Physical review, n. s., vol. x, no. 6, December, 1917."

Johnson, Laurence Crane.

Tautomerism in the para-hydroxytriphenylcarbinol series
... Easton, Pa., Eschenbach printing company, 1917. 25 p.

University of Michigan, 1916, PH. D.

Johnson, Sydney Evans.

Structure and development of the sense organs of the
lateral canal system of selachians (*Mustelus canis* and
Squalus acanthias) ... [Baltimore, The Waverly press,
1917] cover-title, 74 p.

Northwestern university, 1916, PH. D.

"Author's abstract of this paper issued by the [Wistar institute] Biblio-
graphic service June 15."

"Reprinted from the Journal of comparative neurology, vol. 28, no. 1,
August, 1917."

Kelley, Sister Mary Gervase, 1888-

On the cardioids fulfilling certain assigned conditions ...
Washington, D. C. [National capital press, inc.] 1917. 45 p.

Catholic university of America, 1917, PH. D.

Kennedy, John Joseph.

The nitration products of phenoltetrachlorophthalein and some of their derivatives and The nitration products of tetrachlorofluoran and some of their derivatives, by W. R. Orndorff and J. J. Kennedy. [Easton, Pa., 1916-17] 1 p. l., p. [2486]-2503, [88]-103.

"A reprint of an article based upon a thesis submitted to the Faculty of the Graduate school of Cornell university for the degree of doctor of philosophy by John Joseph Kennedy." 1916.

W. R. Orndorff, instructor under whom thesis was written.

Reprinted from the Journal of the American chemical society, vol. xxxviii, no. 11, November 1916, vol. xxxix, no. 1, January 1917.

Kenoyer, Leslie Alva.

... Environmental influences on nectar secretion ... [Chicago, 1917] 1 p. l., p. 249-265.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 4, April 1917."

"Contributions from the Hull botanical laboratory 228."

Kingery, Hugh McMillan.

Oogenesis in the white mouse ... [Boston, 1917] 1 p. l., p. 261-315.

Cornell university, 1917, PH. D.

"Reprinted from the Journal of morphology, vol. 30, no. 1, December, 1917."

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service, October 13."

Kokatnur, Vaman Ramchandra, 1886-

The action of trioxymethylene on various hydrocarbons in the presence anhydrous aluminum chloride ... Minneapolis, University printing co., 1917. 45 p.

University of Minnesota, 1917, PH. D.

Lane, Henry Higgins, 1878-

The correlation between structure and function in the development of the special senses of the white rat ... Norman, University of Oklahoma, 1917. 88 p.

(On cover: University of Oklahoma bulletin. new ser. no. 140. University studies no. 8)

Princeton university, 1915, PH. D.

Lee, Ira Elver, 1883-

Binary systems. iv. Ammonia, sodium chloride; ammonia, sodium bromide; ammonia, sodium iodide ... [Rochester, The Du Bois press, 1917] 23 p.

Cornell university, 1915, PH. D.

Leighton, Morris Morgan, 1887-

... The Iowan drift; a review of the evidences of the Iowan stage of glaciation; a co-operative study for the U. S. Geological survey and the Iowa Geological survey, by William C. Alden ... and Morris M. Leighton ... Des Moines, 1917. 2 p. l., p. [51]-212.

University of Chicago, 1916, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Iowa Geological survey, volume xxvi, Annual report for 1915."

Light, George Heyser.

The dependence of the topography of envelopes of systems of extremals on curvature ... Lancaster, Pa., Press of the New era printing company, 1917. 32 p.

Yale university, 1916, PH. D.

Little, Homer Payson, 1884-

The geology and mineral resources of Anne Arundel County ... Baltimore, The Johns Hopkins press, 1917. 1 p. l., p. [23]-132, 1 l.

Johns Hopkins university, 1910, PH. D.

Reprinted from "Anne Arundel County," published by Maryland Geological survey. 1917.

Long, Esmond Ray.

... Some phases of normal and abnormal purine metabolism in man and domestic animals ... [Baltimore, 1913] 1 p. l., 449-461, [1], 512-526 p.

University of Chicago, 1919, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

Reprinted from the Journal of biological chemistry, vol. xv, no 1913, and from the Journal of experimental medicine, vol. xviii, no 1913.

Lyons, Edward, 1890—

The identification of acids ... Easton, Pa., Eschenbach printing co., 1917. 28 p., 1 l.

Johns Hopkins university, 1917, PH. D.

Mack, Edward Lawrence, 1890—

Electrolytic formation of perchlorate ... [Ithaca, 1917]
1 p. l., p. [238]—264.

Cornell university, 1916, PH. D.

"Reprinted from Journal of physical chemistry, vol. 21, p. 238 (1917)"

MacKenzie, John David, 1888—

The geology of Graham Island, British Columbia ...
[n. p.] 1916. cover-title, 10 p.

Massachusetts institute of technology, 1916, PH. D.

Abstract of thesis.

McLean, Forman Taylor, 1885—

A preliminary study of climatic conditions in Maryland,
as related to plant growth ... [Baltimore, 1917] 1 p. l.,
p. 129—208, 1 l.

Johns Hopkins university, 1915, PH. D.

"Reprinted from Physiological researches, vol. 2, no. 4, serial no. 14,
February, 1917."

"Botanical contribution from the Johns Hopkins university, no. 47."

MacRae, Duncan.

I. The rate of the reaction between mercury and mer-
curic nitrate solution. II. The free energy of formation of
cadmium oxide ... [Boston?] 1917. 14 p.

Massachusetts institute of technology, 1917, PH. D.

Abstract of thesis.

Mains, Edwin Butterworth, 1890—

The relation of some rusts to the physiology of their
hosts ... Lancaster, Pa., Press of the New era printing
company, 1917. 1 p. l., p. 179—220.

University of Michigan, 1916, PH. D.

"Reprinted from the American journal of botany, 4: 179—220, April,
1917."

Markle, Millard S., 1883-

... Root systems of certain desert plants ... [Chicago, 1917] 1 p. l., p. 177-205.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Botanical gazette, vol. LXIV, no. 3, September 1917."

"Contributions from the Hull botanical laboratory 236."

Martin, Frederick Henry, 1887-

The occlusion of hydrogen by a palladium cathode ... Easton, Pa., Eschenbach printing company, 1917. cover-title, 19, [1] p.

Princeton university, 1917, PH. D.

Medes, Grace, 1885-

A study of the causes and the extent of variations in the larvae of *Arbacia punctulata* ... Bryn Mawr, Pa., 1917. 1 p. l., p. 317-432, 1 l.

Bryn Mawr college, 1916, PH. D.

"Reprinted from Journal of morphology, vol. 30, no. 1, December, 1917."

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service."

Meggers, William Frederick, 1888-

Wave-length measurements in spectra from 5600 A to 9600 A ... [Washington, 1917] cover-title, p. 371-395.

Johns Hopkins university, 1917, PH. D.

"Reprinted from the Bulletin of the Bureau of standards, vol. 14, 1917."

Meldrum, William Buell.

The melting points of the chlorides of lithium, rubidium and caesium, and the freezing points of binary and ternary mixtures of these salts, including also potassium and sodium chloride. By Theodore W. Richards and W. Buell Meldrum ...

(In American chemical society journal ... Easton, Pa., 1917. vol. XXXIX, no. 9, p. 1816-1828)

Harvard university, 1914, PH. D.

Without thesis note.

Minor, Jessie Elizabeth, 1880-

A study of the equilibrium in the alcoholysis of esters ... Easton, Pa., Eschenbach printing company, 1917. 57, [1] p.

Bryn Mawr college, 1917, PH. D.

Mitchell, Benjamin Ernest, 1879-

Complex conics and their real representation ... Lancaster, Pa., Press of the New era printing company, 1917. iii, 44 p., 1 l.

Columbia university, 1917, PH. D.

Monroe, Kenneth Potter, 1891-

The viscosity of liquids. II. The viscosity-composition curve for ideal liquid mixtures. III. Ideal solutions of solids in liquids ... Easton, Pa., Eschenbach printing co., 1917. 27, [1] p.

Columbia university, 1917, PH. D.

"For the first article in this series see Kendall, Medd. K. Vetenskapsakad. Nobelinst., 2, no. 25 (1913)"

Monroe, Walter Scott.

... Development of arithmetic as a school subject ... [Washington, 1917] 2 p. l., 3-170 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Bulletin no. 10, United States Bureau of education, 1917."

Morrison, Frank Marion, 1871-

... On the relation between some important notions of projective and metrical differential geometry ... [Baltimore, 1917] 1 p. l., p. [199]-220, 1 l.

University of Chicago, 1913, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from American journal of mathematics, vol. xxxix, no. 2, April, 1917."

Mullins, George Walker, 1881-

Differential invariants under the inversion group ... Lancaster, Pa., Press of the New era printing company, 1917. 22 p., 1 l.

Columbia university, 1917, PH. D.

Murnaghan, Francis Dominic, 1893-

The lines of electric force due to a moving electron ... [Baltimore, 1917] 1 p. l., p. [147]-162, 1 l.

Johns Hopkins university, 1916, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix, no. 2, April, 1917."

Murray, Ruby Rivers, 1888—

Diphenyltetrachlorophthalide and some of its derivatives and A new class of phthaleins. Mixed phthaleins from the reaction of paraoxybenzoylorthobenzoic acid with phenols, by W. R. Orndorff and Miss R. R. Murray ... [Easton, Pa., 1917] 1 p. l., p. [293]–304, [679]–697.

"A reprint of an article based upon a thesis submitted to the Faculty of the Graduate school of Cornell university, for the degree of doctor of philosophy, by Ruby Rivers Murray." 1916.

W. R. Orndorff, instructor under whom thesis was written.

Reprinted from the Journal of the American chemical society, vol. xxxix, no. 2, February, 1917; no. 4, April, 1917.

Myers, Jay Arthur, 1888—

Studies on the syrinx of *Gallus domesticus* ... [Boston, 1917] 1 p. l., p. 165–215.

Cornell university, 1914, PH. D.

"Reprinted from Journal of morphology, vol. xxix, no. 1, June, 1917."

Neal, Roland, 1883—

Colloidal solutions of copper sulphide ... [Stanford University? 1917] 20 p.

Leland Stanford junior university, 1915, PH. D.

Neubauer, Ferdinand John, 1886—

Orbit and perturbations of (716) Berkeley ... [Berkeley, 1917] cover-title, p. 111–114.

University of California, 1917, PH. D.

Thesis t.-p. attached to the original issue, which was published as Lick observatory bulletin no. 301.

Nomland, Jorgen O., 1885—

The Etchegoin Pliocene of middle California ... [Berkeley, 1917] cover-title, p. [191]–254.

University of California, 1916, PH. D.

Thesis t.-p. is attached to the cover of the original issue which was published as University of California publications, Bulletin of the Department of geology, v. 10, no. 14, April, 1917.

Nyquist, Harry.

The Stark effect in helium and neon ... [Lancaster, Pa., and Ithaca, N. Y., 1917] cover-title, p. [225]–243.

Yale university, 1917, PH. D.

Without thesis note.

"Reprinted from the Physical review, n. s., vol. x, no. 3, September 1917."

Oppitz, Louis Kossuth, 1878-

... Optical constants of the binary alloys of silver with copper and platinum ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [156]-165.

University of Pennsylvania, 1915, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 2, August, 1917."

Overman, Oliver Ralph, 1886-

Die angebliche bedeutung der salpetrigen säure bei der bildung von stickstoffwasserstoffsäure durch oxydation von hydrazin, by A. W. Browne and O. R. Overman ... [Leipzig, 1916] 1 p. l., p. 217-239.

"Reprint of an article based upon a thesis submitted to the Faculty of the Graduate school of Cornell university for the degree of doctor of philosophy, by Oliver Ralph Overman." 1917.

Reprinted from Zeitschrift für anorganische und allg. chemie, bd. 94, 1916.

Parker, John Bernard, 1870-

A revision of the bembicine wasps of America north of Mexico ... Columbus, O. [1917] 2 p. l., 155 p., 1 l.

Ohio state university, 1915, PH. D.

Published also in the Proceedings of the United States national museum, v. 52, and as Contribution no. 47 of the Department of zoology and entomology of Ohio state university.

Plough, Harold Henry, 1892-

The effect of temperature on crossing-over in *Drosophila* ... [Baltimore] 1917. cover-title, p. 147-209, 1 l.

Columbia university, 1917, PH. D.

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service, October 20."

"Reprinted from the Journal of experimental zoölogy, vol. 24, no. 2, November, 1917."

Povah, Alfred Hubert William, 1889-

A critical study of certain species of *Mucor* ... [New York, 1917] cover-title, p. 241-259, 287-313.

University of Michigan, 1916, PH. D.

"Reprinted, without change of paging, from the Bulletin of the Torrey botanical club 44 ... May 22 and June 13, 1917."

"Contribution no. 159 from the Botanical department of the University of Michigan."

Quirke, Terence Thomas, 1886-

... Espanola district, Ontario ... [Ottawa, 1917] 1 p. l., iii, 92 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Canada Department of mines, Geological survey, memoir 102, 1917."

Rasmussen, Andrew Theodore, 1883-

Blood changes in the woodchuck (*Marmota monax*) during hibernation ... [Ithaca? 1915-17] 2 p. l., p. [609]-625, 20-30, 162-172, 464-482, 132-148.

Cornell university, 1916, PH. D.

"Reprinted from the American naturalist, vol. L, no. 598, October, 1916. The American journal of physiology, vol. xxxix, no. 1, November, 1915; vol. xli, no. 2, August, 1916; vol. xli, no. 4, October, 1916, and vol. xlv, no. 2, September, 1917."

Reaves, Samuel Watson.

... Metric properties of flecnodes on ruled surfaces ... [Napoli, 1917] 2 p. l., [3]-28 p.

University of Chicago, 1915, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Giornale di matematiche di Battaglini, vol. lv, (1917), 8° della 3ª serie."

Reber, Louis Ehrhart, jr.

The mineralization at Clifton-Morenci ... [Lancaster, Pa.] Economic geology publishing company [1916] cover-title, [1], 528-573 p.

Yale university, 1916, PH. D.

Without thesis note.

"Reprinted from Economic geology, vol. xi, no. 6, August-September, 1916."

Reeside, John Bernard, 1889-

The Helderberg limestone of central Pennsylvania ... [Washington, 1917] cover-title, p. 185-225, 1 l.

Johns Hopkins university, 1915, PH. D.

Reprinted from U. S. Geological survey Professional paper 108 K. December 13, 1917.

Reeves, Frank, 1886—

The absence of water in certain sandstones of the Appalachian oil-fields ... [Lancaster, Pa., Press of the New era printing company, 1917] 1 p. l., [1], 354–378 p., 1 l.

Johns Hopkins university, 1916, PH. D.

"Reprinted from Economic geology, vol. XII., no. 4, June, 1917."

Rice, Joseph Nelson, 1890—

On the in-and-circumscribed triangles of the plané rational quartic curve ... Washington, D. C. [National capital press, inc.] 1917. 32 p.

Catholic university of America, 1917, PH. D.

Rich, Daniel Leslie, 1879—

Oscillatory spark discharges between unlike metals ... [Lancaster, Pa., and Ithaca, N. Y., 1917] cover-title, p. [140]–155.

University of Michigan, 1915, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 2, August, 1917."

Rider, Paul Reece.

The space problem of the calculus of variations in terms of angle ... [Baltimore, 1917] cover-title, p. [241]–256.

Yale university, 1915, PH. D.

"Reprinted from the American journal of mathematics, vol. XXXIX, no. 3, July, 1917."

Ritt, Joseph Fels, 1891—

On a general class of linear homogeneous differential equations of infinite order with constant coefficients, preceded by a note on the resolution into partial fractions of the reciprocal of an entire function of genus zero ... [Lancaster, Pa., Press of the New era printing company, 1917] 1 p. l., 21–49, [1] p.

Columbia university, 1917, PH. D.

"Reprinted from the Transactions of the American mathematical society, vol. 18, no. 1, pp. 21–49, January, 1917."

Ritter, Sarah Margaret.

... The vertical-horizontal illusion; an experimental study of meridional disparities in the visual field ... [Princeton, Princeton university press, 1917] 3 p. l., 110 p.

University of Chicago, 1916, PH. D.

"Published as no. 101 of the Psychological monographs."

158464—21—11

Rodgers, Ralph Chapman.

Change of resistance with temperature of various sodium amalgams ... [Lancaster, Pa., and Ithaca, N. Y., 1916] 1 p. l., p. [259]-277.

Cornell university, 1919, PH. D.

"Reprinted from the Physical review, n. s., vol. VIII, no. 3, September, 1916."

Rykenboer, Edward August, 1889-

Capillary phenomena and supercooling ... Easton, Pa., Eschenbach printing co., 1917. 43 p.

University of Michigan, 1917, PH. D.

Sanford, Roscoe Frank, 1883-

On some relations of the spiral nebulae to the Milky way ... [Berkeley, 1917] cover-title, p. 80-91.

University of California, 1917, PH. D.

Thesis t.-p. attached to the original issue which was published as Lick observatory bulletin no. 297.

Scarlett, Andrew Jackson, 1889-

The surface tension of mixed liquids ... Easton, Pa., Eschenbach printing company, 1917. 34 p., 1 l.

Columbia university, 1917, PH. D.

Sebastian, Reuben Louis, 1889-

A study of hydrogen and calomel electrodes ... [Easton, Pa., 1917] cover-title, p. [2245]-2261.

University of California, 1916, PH. D.

Thesis t.-p. attached to the cover of the reprint from the Journal of the American chemical society, vol. XXXIX, no. 11, November, 1917, by Gilbert N. Lewis, Thomas B. Brighton and Reuben L. Sebastian.

Sherwood, Clarence McKinley.

A study of Stokes neutral red reaction as applied to the sanitary examination of water ... [Easton, Pa., 1917] 1 p. l., p. [1755]-1766.

Cornell university, 1914, PH. D.

"Reprinted from the Journal of the American chemical society vol. XXXIX, no. 8, August, 1917."

Shewhart, Walter Andrew, 1891-

A study of the accelerated motion of small drops through a viscous medium ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [425]-433.

University of California, 1917, PH. D.

An extra thesis t.p. is attached to cover.

"Reprinted from the Physical review, n. s., vol. ix, no. 5, May, 1917."

Shields, Margaret Calderwood.

... A determination of the ratio of the specific heats of hydrogen at 18° and -190° ... [Lancaster, Pa., and Ithaca, N. Y., 1917] 1 p. l., p. [525]-540.

University of Chicago, 1917, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Physical review, n. s., vol. viii, no. 5, November, 1917."

Shumway, Waldo, 1891-

The effects of a thyroid diet upon *Paramaecium* ... [Baltimore, The Waverly press, 1917] 1 p. l., p. 529-563, 1 l.

Columbia university, 1916, PH. D.

"Reprinted from the Journal of experimental zoölogy, volume 22, number 3."

Smith, Lucy Wright, 1886-

Studies of North American *Plecoptera* (*Pteronarcinae* and *Perlodini*) ... [Philadelphia, 1917] 1 p. l., p. 433-489.

Cornell university, 1914, PH. D.

"Reprinted from Trans. Am. ent. soc., vol. XLIII, December, 1917."

Smith, Warren Slocum, 1891-

... Geology of the Skykomish Basin, Washington ... [New York? 1917] 3 pt.

(Contributions from the Geological department of Columbia university, vol. xxvi, no. 6)

Columbia university, 1916, PH. D.

[pt. 1] Reprint from the School of mines quarterly, vol. xxxvi, no. 2, April 1915.—[pt. 2] Reprinted from the Journal of geology, vol. xxiv, no. 6, September-October 1916.—[pt. 3] Annals of the New York academy of sciences, vol. xxvii, p. 205-214, 1917.

Sousley, Clarence Piersall, 1889-

Invariants and covariants of the Cremona cubic surface [Baltimore, 1917] 1 p. l., p. [135]-146, 1 l.

Johns Hopkins university, 1915, PH. D.

"Reprinted from American journal of mathematics, vol. xxxix, no. 2, April, 1917."

Stang, Ambrose Henry, 1889—

The infra-red absorption spectrum of naphthalene and of some of its mono-derivatives in solution ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [542]—553.

University of Michigan, 1916, PH. D.

"Reprinted from the Physical review, n. s., vol. ix, no. 6, June, 1917."

Stegeman, Gebhard, 1890—

A lead standard cell and a determination of the potential of the lead electrode ... Columbus, O., 1917. 20 p., 1 l.

Ohio state university, 1917, PH. D.

Stetson, John Minor, 1887—

Conjugate systems of curves on a surface both of whose Laplace transforms are lines of curvature ... Princeton, 1917. 1 p. l., [1], 106—126 p.

Princeton university, 1914, PH. D.

"Reprinted from the Annals of mathematics, vol. 19, no. 2 ... December, 1917."

Stewart, Ralph Randles, 1890—

... The flora of Ladak, western Tibet. I. Discussion of the flora. II. List of Ladak plants ... Lancaster, Pa., Press of the New era printing company, 1916—17. 1 p. l., 571—590, 625—650 p., 1 l.

(Contributions from the Department of botany, Columbia university. 281)

Columbia university, 1916, PH. D.

"Reprinted, without change of paging, from the Bulletin of the Torrey botanical club, 43: 571—590, November 27, 1916; 625—650, January 10, 1917."

Stimson, Dorothy, 1890—

The gradual acceptance of the Copernican theory of the universe ... Hanover, N. H., 1917. 147 p., 1 l.

Columbia university, 1917, PH. D.

Published also without thesis note.

Stober, James Palm, 1869—

... A comparative study of winter and summer leaves of various herbs ... Chicago, Ill., 1917. 1 p. l., p. 89—109.

University of Chicago, 1914, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Botanical gazette, vol. LXIII, no. 2."

"Contributions from the Hull botanical laboratory 224."

Stunkard, Horace Wesley, 1889-

Studies on North American *Polystomidae*, *Aspidogastriidae*, and *Paramphistomidae* ... Urbana, Ill., 1917.
114 p.

University of Illinois, 1916, PH. D.

"Reprinted from the University of Illinois studies in biology, vol. III, no. 3."

Swisher, Charles Lee.

The specific resistance and thermo-electric power of metallic calcium ... Lancaster, Pa., Press of the New era printing company [1917] 1 p. l., p. [601]-608.

Cornell university, 1917, PH. D.

"Reprinted from the Physical review, ser. II, vol. x, no. 6, December, 1917."

Thompson, Elizabeth Lockwood, 1883-

... An analysis of the learning process in the snail, *Physa gyrina* Say ... Pub. at Cambridge, Boston, Mass. New York, H. Holt & company; [etc., etc., 1917] 2 p. l., 89 p.

(Behavior monographs, v. 3, no. 3, 1917. serial no. 14)

University of Michigan, 1916, PH. D.

"Contribution from the Zoological laboratory of the University of Michigan, no. 147."

Published also without thesis note.

Tomlinson, Charles Weldon.

... The middle Paleozoic stratigraphy of the central Rocky Mountain region ... [Chicago, 1917] 1 p. l., 58 p.

University of Chicago, 1916, PH. D.

"Private edition distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of geology, vol. xxv, nos. 2-4, 1917."

Tyler, Hazen Greeley.

Equations for imperfect gases ... [Boston, F. H. Gilson company, 1917] v, 30 p.

New York university, 1916, sc. D.

Van Zandt, John Parker, 1894-

Oscillating systems damped by resistance proportional to the square of the velocity ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [415]-431.

University of California, 1917, PH. D.

Leaf with thesis note mounted on cover.

"Reprinted from the Physical review, n. s., vol. x, no. 5, November, 1917."

Venable, Charles Scott.

I. Tetracarbonimide as an oxidation product of uric acid. II. A study of the oxidation of uric acid in alkaline solution by hydrogen peroxide ... [Boston?] 1917. 15 p.

Massachusetts institute of technology, 1917, PH. D.

Abstract of thesis.

Waggoner, Harry Dwight, 1877-

The viability of radish seeds (*Raphanus sativus*) as affected by high temperatures and water content ... [Lancaster, Pa., 1917] 2 p. l., p. 299-313, 1 l.

University of Illinois, 1916, PH. D.

"Reprinted from the American journal of botany 4 ... May, 1917."

Walker, Jennie Ada, 1879-

Influence of certain electrolytes upon the course of the hydrolysis of starch by malt amylase ... Easton, Pa., Eschenbach printing company, 1917. 19, [1] p.

Columbia university, 1917, PH. D.

"Reprinted from the Journal of the American chemical society, volume 39, pages 1476-1493."

Wallin, Ivan Emmanuel.

The relationships and histogenesis of thymus-like structures in *Ammocoetes* ... [Baltimore, 1917] cover-title, p. 127-167.

New York university, 1916, sc. D.

Thesis note is a foot-note on p. 127.

"Reprinted from the American journal of anatomy, vol. 22, no. 1, July, 1917."

Waterman, Alan Tower, 1892-

... On the positive ionization from certain hot salts, together with some observations on the electrical properties of, molybdenite at high temperatures ... London, Printed by Taylor and Francis, 1917. 1 p.l., p. [225]-247.

Princeton university, 1916, PH. D.

"From the Philosophical magazine, vol. xxxiii, March 1917."

Weaver, John Ernest, 1884-

A study of the vegetation of southeastern Washington and adjacent Idaho ... Lincoln, Neb., 1917. 1 p.l., 131, [1] p.

University of Minnesota, 1916, PH. D.

"Reprinted from University studies, vol. xvii, no. 1, January, 1917."

Weeks, Paul Thorne.

A determination of the efficiency of production of X-rays ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p.l., p. [564]-574.

Cornell university, 1917, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 5, November, 1917."

Weiss, Harry, 1891-

Cultural and antigenic differences in strains of *Bacillus typhosus* and studies in the paratyphoid group ... Boston, Mass. [1917] cover-title, p. 135-173.

Columbia university, 1917, PH. D.

"Reprinted from the Journal of medical research, volume xxxvi, no. 1 (new series, vol. xxxi, no. 1) ... March, 1917."

Wells, Mary Evelyn, 1881-

... On inequalities of certain types in general linear integral equation theory ... [Baltimore, 1917] 1 p.l., p. [163]-184, 1 l.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from American journal of mathematics, vol. xxxix, no. 2, April, 1917."

Whiting, Phineas Westcott, 1887-

... The chromosomes of the common house-mosquito, *Culex pipiens* L. ... [Baltimore, The Waverly press, 1917] cover-title, p. 523-577.

University of Pennsylvania, 1916, PH. D.

"Reprinted from Journal of morphology, vol. 28, no. 2, March, 1917."

Wilson, Arthur John, 1884-

Influence of phosphorus in feeds on the phosphorus content of egg, and the chemical character of the phosphorus compounds ... [Ithaca? 1917] 22 p.

Cornell university, 1911, PH. D.

Wilson, James Kenneth, 1881-

Physiological studies of *Bacillus radicicola* of soybean (*Soja* Max Piper) and of factors influencing nodule production ... [Ithaca, N. Y., 1917] 1 p. l., p. 367-413.

Cornell university, 1914, PH. D.

"Reprinted from Bulletin no. 386, January, 1917, of Cornell university agricultural experiment station."

Wilson, Lucy, 1888-

The structure of the mercury line, λ 2536 ... Baltimore, 1917. 1 p. l., 340-354, [1] p.

Johns Hopkins university, 1917, PH. D.

Reprinted from Astrophysical journal, vol. XLVI, no. 5.

Wroth, Benjamin Blackiston, 1887-

A study of the solubilities of liquids in liquids. The partition of the lower alcohols between water and cottonseed oil ... [Gettysburg, Pa., Gettysburg compiler print, 1917] 21 p.

Johns Hopkins university, 1916, PH. D.

Wyllie, Harry Hanes.

... An experimental study of transfer of response in white rats ... [Chicago? 1917] 2 p. l., 65, [1] p.

University of Chicago, 1917, PH. D.

Published also as Behavior monographs, v. 3, no. 5, serial no. 16.

Zeller, Sanford Myron, 1885-

... Physiology of *Lenzites saepiaria* Fries, with special reference to enzyme activity ... [St. Louis? 1917] cover-title, p. 439-512.

(Washington university doctoral dissertations)

Washington university, St. Louis, 1917, PH. D.

"Publications of Washington university, Saint Louis, series v, number 27."

"Reprinted from Annals of the Missouri botanical garden, November, 1916, vol. III, no. 4."

Ziegler, Victor.

... Foothills structure in northern Colorado ... [Golden, Colo., Transcript ptg. co., 1917] 39 p.

(Colorado school of mines quarterly, vol. XII. April, 1917. no. 2)

University of Denver, 1917, PH. D.

Slip with thesis note inserted.

Medicine

(Class R)

Bedford, Edgar Alden.

The epinephric content of the blood in conditions of low blood pressure and shock ... [Baltimore, The Waverly press, 1917] cover-title, p. 235-257.

New York university, 1916, sc. D.

"Reprinted from the American journal of physiology, vol. XLIII, no. 2, May, 1917."

Bock, Joseph Carl, 1884-

The determination and occurrence of amino-acids in the blood ... N[ew] Y[ork] Riverside press, 1917. 47 p.

Cornell university, 1917, PH. D.

Cullen, Glenn Ernest, 1890-

The electrometric titration of the plasma as a measure of its alkaline reserve ... [Baltimore, 1917] 1 p. l., 369-388, [411]-456 p., 1 l.

Columbia university, 1917, PH. D.

Studies of acidosis. III.

"Reprinted from the Journal of biological chemistry, vol. XXX, no. 2, June, 1917."

Lake, Gleason Chandler, 1883—

... The immunological reactions of the proteins of the human placenta with special reference to the production of a therapeutic serum for malignant chorion-epithelioma ... [Chicago, 1914] 1 p. l., p. 385-401.

University of Chicago, 1914, PH. D.

"Reprinted from the Journal of infectious diseases, vol. 14, no. 2, Chicago, 1914."

Marshall, John Albert, 1885—

The composition of saliva in relation to the incidence of dental caries ... [Baltimore, The Waverly press] 1917. cover-title, p. 212-234.

University of California, 1917, PH. D.

Thesis t.-p. attached to the cover of the issue reprinted from the American journal of physiology, vol. XLIII, no. 2, May, 1917.

Thesis note also in foot-note, p. 212.

Menten, Maud Leonora.

... The alkalinity of the blood in malignancy and other pathological conditions; together with observations on the relation of the alkalinity of the blood to barometric pressure ... [Baltimore, 1917] 1 p. l., p. 179-211.

University of Chicago, 1916, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from the Journal of cancer research, vol. II, no. 2, April, 1917."

Agriculture—Plant and Animal Industry, etc.

(Class S)

App, Frank, 1886—

Farm profits and factors influencing farm profits on 370 potato farms in Monmouth County, New Jersey ... [New Brunswick, N. J., 1916] 103 p.

Cornell university, 1919, PH. D.

"Reprinted from New Jersey agricultural experiment station Bulletin 294, New Brunswick, N. J., September 20, 1916."

Bear, Firman Edward.

A correlation between bacterial activity and lime requirement of soils ... [Baltimore, 1917] cover-title, p. 433-462.

University of Wisconsin, 1917, PH. D.

Thesis note stamped on cover.

"Reprinted from Soil science, vol. iv, no. 6, December, 1917."

Birch, Raymond Russell, 1881-

Hog cholera transmission through infected pork ... [Ithaca, 1917] [30] p.

Cornell university, 1916, PH. D.

"Reprinted from the Journal of the American veterinary medical association, vol. LI. n. s., vol. 4, no. 3, June, 1917."

Bonquet, Pierre Auguste, 1882-

Bacillus morulans, n. sp. ... [Baltimore, 1917] cover-title, p. [269]-289.

University of California, 1915, PH. D.

Thesis t.-p. attached to issue which was reprinted from Phytopathology, vol. VII, no. 4, August, 1917.

Brigham, Reed Oshea, 1888-

... Assimilation of organic nitrogen by *Zea mays* and the influence of *Bacillus subtilis* on such assimilation ... [Baltimore, 1917] cover-title, 155-195, [1] p., 1 l.

University of Michigan, 1916, PH. D.

"Publication no. 156, Botanical department, University of Michigan. Reprint from Soil science, vol. 3, no. 2, February, 1917."

Buisson, Johannes Petrus du.

The extraction and saturation of soils with volatile antiseptics ... [Baltimore, 1917] 1 p. l., 353-391, [1] p., 1 l.

Cornell university, 1916, PH. D.

"Reprinted from Soil science, vol. III, no. 4, April, 1917."

Burkholder, Walter H., 1891-

The anthracnose disease of the raspberry and related plants ... [Ithaca, N. Y., 1917] 1 p. l., p. 155-183.

Cornell university, 1917, PH. D.

"Reprint of Cornell university agricultural experiment station Bulletin 395, November, 1917."

Eaton, Theodore Hildreth, 1877-

A study of organization and method of the course of study in agriculture in secondary schools ... New York city, Teachers college, Columbia university, 1917. 2 p. l., 185, [1] p.

Columbia university, 1917, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 86.

Finch, Vernor Clifford.

... Geography of the world's agriculture. By V. C. Finch ... and O. E. Baker ... Washington, Govt. print. off., 1917. 149 p.

University of Wisconsin, 1916, PH. D.

Thesis note stamped on cover.

Freiberg, George William, 1892-

... Studies in the mosaic diseases of plants ... [St. Louis? 1917] cover-title, p. 175-232.

(Washington university doctoral dissertations)

Washington university, St. Louis, 1917, PH. D.

"Publications of Washington university, Saint Louis, series v, number 28."

"Reprinted from Annals of the Missouri botanical garden, April, 1917, vol. iv, no. 2."

Harter, Leonard Lee, 1875-

Podblight of the lima bean caused by *Diaporthe phaseolorum* ... Washington, Govt. print. off., 1917. cover-title, p. 473-504, 1 l.

George Washington university, 1917, PH. D.

Thesis note stamped on cover.

"Reprinted from Journal of agricultural research, vol. xi, no. 10, Washington, D. C., December 3, 1917."

Heinicke, Arthur John.

Factors influencing the abscission of flowers and partially developed fruits of the apple (*Pyrus malus* L.) ... [Ithaca, N. Y., 1917] 1 p. l., p. 43-114.

Cornell university, 1916, PH. D.

"Published as Cornell university agricultural experiment station Bulletin 393, July, 1917."

Keitt, George Wannamaker.

... Peach scab and its control ... Washington, Govt. print. off., 1917. cover-title, 66 p.

(U. S. Dept. of agriculture. Bulletin no. 395. Professional paper)

University of Wisconsin, 1914, PH. D.

Thesis note stamped on cover.

Lowe, John Nicholas.

The action of various pharmacological and other chemical agents on the chromatophores of the brook trout *Salvelinus fontinalis* Mitchell ... [Baltimore, The Waverly press, 1917] cover-title, p. 147-193.

University of Wisconsin, 1915, PH. D.

Thesis note stamped on cover.

"Reprinted from the Journal of experimental zoölogy, vol. 23, no. 1, May, 1917."

McLean, Forman Taylor, 1885-

A preliminary study of climatic conditions in Maryland, as related to plant growth ... [Baltimore, 1917] 1 p. l., p. 129-208, 1 l.

Johns Hopkins university, 1915, PH. D.

"Reprinted from Physiological researches, vol. 2, no. 4, serial no. 14, February, 1917."

"Botanical contribution from the Johns Hopkins university, no. 47."

Morse, Warner Jackson, 1872-

Studies upon the blackleg disease of the potato, with special reference to the relationship of the causal organisms ... Washington, Govt. print. off., 1917. cover-title, p. 79-126.

University of Wisconsin, 1912, PH. D.

Thesis note stamped on cover.

"Reprinted from Journal of agricultural research, vol. VIII, no. 3, Washington, D. C., January 15, 1917."

Pulling, Howard Edward.

The rate of water movement in aerated soils ... [Baltimore, 1917] p. 239-268.

University of Wisconsin, 1915, PH. D.

Thesis note stamped on caption title.

"Reprinted from Soil science, vol. IV, no. 3, September, 1917."

Rands, Robert Delafield.

... Early blight of potato and related plants ... Madison [1917] cover-title, 48 p.

(Agricultural experiment station of the University of Wisconsin. Research bulletin 42)

University of Wisconsin, 1917, PH. D.

Thesis note stamped on cover.

Tisdale, Wendell Holmes.

Relation of temperature to the growth and infecting power of *Fusarium lini* ... [Baltimore, 1917] cover-title, p. [356]-360.

University of Wisconsin, 1917, PH. D.

Pt. I of thesis.

Thesis note stamped on cover.

"Reprinted from Phytopathology, vol. VII, no. 5. October, 1917."

Tisdale, Wendell Holmes.

Flaxwilt: a study of the nature and inheritance of wilt resistance Washington, Govt. print. off., 1917. cover-title, 573-606, [2] p.

University of Wisconsin, 1917, PH. D.

Pt. II of thesis.

Thesis note stamped on cover.

"Reprinted from Journal of agricultural research, vol. XI, no. 11, Washington, D. C., December 10, 1917."

Watson, John Wilbur.

Abstraction of potassium during sedimentation [Lynchburg, Va., J. P. Bell company, incorporated, printers, 1913] 30 p.

University of Virginia, 1913, PH. D.

Weimer, James Le Roy, 1887-

Three cedar rust fungi, their life histories and the diseases which they produce ... [Ithaca, N. Y., 1917] 1 p. l., p. 507-549.

Cornell university, 1916, PH. D.

"Reprint from Cornell university agricultural experiment station bulletin 390, May, 1917."

Wilson, Gilbert Livingstone, 1868-

... Agriculture of the Hidatsa Indians; an Indian interpretation ... Minneapolis, 1917. viii p., 1 l., 129 p.

(The University of Minnesota, Studies in the social sciences. no. 9)

University of Minnesota, 1916, PH. D.

Without thesis note.

"Bulletin of the University of Minnesota, November 1917."

Zeller, Sanford Myron, 1885-

... Physiology of *Lenzites saepiaria* Fries, with special reference to enzyme activity ... [St. Louis? 1917] cover-title, p. 439-512.

(Washington university doctoral dissertations)

Washington university, St. Louis, 1917, PH. D.

"Publications of Washington university, Saint Louis, series v, number 27."

"Reprinted from Annals of the Missouri botanical garden, November, 1916, vol. III, no. 4."

Technology**(Class T)****Bateman, William George, 1883-**

The digestibility and utilization of egg proteins. The use of raw eggs in practical dietetics ... [New Haven? 1917] cover-title, 263-291, [1]-15 p.

Yale university, 1916, PH. D.

Part of thesis.

The first part is reprinted from the Journal of biological chemistry, vol. XXVI, no. 1, 1916; the second part from American journal of the medical sciences, June, 1917, no. 6, vol. CLIII, p. 841.

Bown, Ralph, 1891-

Internal relations in audion-type radio receivers ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. [253]-265.

Cornell university, 1917, PH. D.

"Reprinted from the Physical review, n. s., vol. x, no. 3, September, 1917."

Bruce, Everend Lester, 1884-

... Geology and ore-deposits of Rossland, B. C. ... Victoria, B. C., Printed by W. H. Cullin, 1917. 35 p.

(British Columbia. Department of mines ... Bulletin no. 4, 1917)

Columbia university, 1915, PH. D.

Buswell, Arthur Moses.

Studies in the disinfection of tannery wastes ... [Easton, Pa.] 1917. 31 p.

Columbia university, 1917, PH. D.

"Reprinted from the Journal of the American leather chemists' association, June, 1917."

Corson, Harry Peach, 1887-

Manganese in water supplies ... [Urbana, Illinois state water survey, 1917] 66 p.

University of Illinois, 1915, PH. D.

Crowell, William Ransom, 1879-

The effect of temperature and duration of reaction on the formation of light oils in coal carbonization at atmospheric pressure ... Easton, Pa., Eschenbach printing company, 1917. 2 p. l., 23, [1] p.

Columbia university, 1917, PH. D.

Goss, Byron Cassius, 1890-

Adsorption of tin by proteins and its relation to the solution of tin by canned foods ... [Boston, 1917] 1 p. l., [5]-17 p.

Princeton university, 1916, PH. D.

Reprinted from Journal of industrial and engineering chemistry, v. 9, no. 2, February, 1917, p. 144-148.

Guild, Frank Nelson, 1870-

A microscopic study of the silver ores and their associated minerals ... Lancaster, Pa., Press of the New era printing company, 1917. 1 p. l., p. 297-353.

Leland Stanford junior university, 1917, PH. D.

"Reprinted from: Economic geology, vol. XII, no. 4, June, 1917."

Harder, Oscar Edward.

Alloys of chromium, copper and nickel ... [Urbana, 1917] 58 p., 1 l.

University of Illinois, 1915, PH. D.

Published also as University of Illinois engineering experiment station Bulletin no. 93 with title A preliminary study of the alloys of chromium, copper, and nickel, by D. F. McFarland and O. E. Harder.

Lauer, Arnold William.

The petrology of reservoir rocks and its influence on the accumulation of petroleum ... [Lancaster, Pa.] Economic geology publishing company [1917] cover-title, p. 435-472.

Yale university, 1917, PH. D.

Part of thesis.

Title of complete thesis: Special problems in North American petroleum geology.

"Reprinted from Economic geology, vol. xii, no. 5, August, 1917."

Leeds, John Bacon, 1874-

The household budget, with a special inquiry into the amount and value of household work ... Germantown, Philadelphia, J. B. Leeds [c1917] 246 p.

Columbia university, 1918, PH. D.

Little, Homer Payson, 1884-

The geology and mineral resources of Anne Arundel County ... Baltimore, The Johns Hopkins press, 1917 1 p. l., [23]-132 p., 1 l.

Johns Hopkins university, 1910, PH. D.

Reprinted from "Anne Arundel County," published by Maryland Geological survey. 1917.

Mack, Edward, 1893-

The water content of coal, with some ideas on the genesis and nature of coal ... [New Haven, 1917] 1 p. l., 21 p.

Princeton university, 1916, PH. D.

"From the American journal of science, vol. xliii, pp. 89-110, Feb. 1917"

Mance, Grover Cleveland, 1883-

... Power economy and the utilization of waste in the quarry industry of southern Indiana ... [Bloomington, Ind., 1917] 204 p.

(Indiana university studies. vol. iv, study no. 35. March, 1917)

Indiana university, 1915, PH. D.

Thesis note on verso of t.-p.

158464-20-12

Reber, Louis Ehrhart, jr.

The mineralization at Clifton-Morenci ... [Lancaster, Pa.] Economic geology publishing company [1916] cover-title, [1], 528-573 p.

Yale university, 1916, PH. D.

Without thesis note.

"Reprinted from Economic geology, vol. XI, no. 6, August-September, 1916."

Reitell, Charles Ervin.

... Machinery and its benefits to labor in the crude iron and steel industries ... Menasha, Wis., George Banta publishing company, 1917. 36 p.

University of Pennsylvania. 1917, PH. D.

"Reprinted from the Iron age."

Roesler, Max.

... Geology of the iron-ore deposits of the Firmeza District, Oriente Province, Cuba ... [New York, 1917] p. [1789]-1839.

Yale university, 1916, PH. D.

Without thesis note.

Preprinted from Transactions of the American institute of mining engineers, vol. LV, 1917, p. 77-127.

Suydam, John Richard, 1886-

A comparative study of the thermal decomposition of coal and of some of the products of its carbonization ... New York city, W. D. Gray, 1917. 40 p., 2 l.

Columbia university, 1917, PH. D.

Military Science

(Class U)

Oliver, John William.

... History of the civil war military pensions, 1861-1885 ... Madison, Wis., 1917. 120 p.

(Bulletin of the University of Wisconsin, no. 844. History series, v. 4, no. 1)

University of Wisconsin, 1915, PH. D.

SECTION III

INDEX OF SUBJECTS

179

SUBJECT INDEX

References are made to the alphabetical arrangement in Section I. The numbers refer to items, not to pages. Numbers to which (Sup. 1913, 14, or 16) is added refer to the supplementary titles on pages 9-14.

- Ability: 160, 174, 344.
 Abscission (botany): 144.
 Absorption spectra: 383 (Sup. 1916).
 Accidents, prevention: 20.
 Acidosis: 62.
 Acids, organic: 195.
 Acridiidae: 45.
 Actors, German: 237.
 Africa, South, education: 192.
 Agricultural education: 87.
 Agriculture—
 California: 63.
 Hidatsa Indians: 356.
 New Jersey: 379 (Sup. 1916).
 Statistics: 100.
 Study and teaching: 87.
 Alcohol: 115.
 Alligators: 60.
 Alloys: 243.
 Alternaria: 92.
 Aluminum chloride: 109.
 Amalgams: 148, 390 (Sup. 1916).
 American constitutional doctrines: 64.
 American literature: 208.
 American revolution: 182, 286.
 Amino acids: 21.
 Amnocoetes: 339.
 Ammonia: 82, 184.
 Analytical geometry: 222.
 Ancient philosophy: 353.
 Animal intelligence: 326, 363.
 Animals, habits and behavior of: 363.
 Anthracose: 40.
 Anthrax: 42.
 Anthropo-geography, Massachusetts: 167.
 Antiquities, Rome: 30.
 Antonius Rhetor, of *Tagrit*: 391 (Sup. 1916).
 Apple: 144.
 Apprentices: 292.
 Aquila, of *Pontus*: 389 (Sup. 1916).
 Arbacia punctulata: 214.
 Architecture, Greek: 231.
 Arctomys: 261.
 Aristoteles: 204.
 Arithmetic, study and teaching: 55, 224.
 Arizona, geology: 388 (Sup. 1916).
 Art, Trinity in: 199.
 Association of ideas: 212.
 Assyro-Babylonian language: 215.
 Assyro-Babylonian religion: 213.
 Astronomy: 318.
 Athena Parthenos: 332.
 Athens: 191.
 Australian ballot: 97.
 Authorship: 314.
 Babylonia: 215.
 Bacillus diphtheriae: 46.
 Bacillus morulans: 22.
 Bacillus paratyphosus: 88.
 Bacillus radicolica: 357.
 Bacillus typhosus: 346.
 Ballot, Australian: 97.
 Bāna: 258.
 Beans, diseases and pests: 140.
 Beet pests: 22.
 Bembecidae: 244.
 Benzene: 115, 137.
 Bergson, Henri Louis: 249.
 Berlin, treaty of, 1878: 288.
 Bible, Old Testament—
 Isaiah: 302.
 Nahum: 239.
 Versions, Greek: 389 (Sup. 1916).
 Bible, New Testament, criticism, interpretation, etc.: 365.
 Bible in literature: 273.

- Binary systems: 184.
 Binet tests: 31.
 Blood: 15, 21, 218.
 Bloomington, Ind., public schools: 301.
 Board of railway commissioners, Canada: 198.
 Boethius: 158.
 Botany—
 Abscission: 144.
 Ecology: 110, 341.
 Florida: 110.
 Idaho: 341.
 Morphology: 85, 209.
 Pathology: 106.
 Physiology: 74.
 Roots: 209.
 Tibet: 316.
 Washington (State): 341.
 Brain: 60.
 Brant, Sebastian: 183.
 Brazil, Germans in: 284.
 Brioux, Eugène: 285.
 British Columbia—
 Geology: 385 (Sup. 1916), 34, 78.
 Mines and mineral resources: 34.
 British West Indies, commerce: 16, 252.
 Business and legal documents, Old Babylonian: 215.
 Calcium: 323.
 Calculus of variations: 188, 270.
 California—
 Cooperative agriculture: 63.
 Fruit trade: 63.
 Geology: 238.
 Paleontology: 238.
 California fruit growers' exchange: 63.
 Calorimeters and calorimetry: 69.
 Canada, railroads: 198.
 Cançisataka: 258.
 Canning and preserving: 119.
 Capillarity: 98, 283.
 Cardioid: 169.
 Carnotite: 108.
 The case is altered: 291.
 Catalysis: 95, 176.
 Catholic church, education: 75.
 Central America: 299.
 Cervantes Saavedra, Miguel de: 53.
 Chandler, Zachariah: 138.
 Character: 104.
 Chaucer, Geoffrey: 158.
 Chemical equilibrium: 221.
 Chemical reaction, velocity: 205.
 Chemistry, organic: 137.
 Child study: 386 (Sup. 1916), 160.
 China, foreign relations, United States: 180.
 Chlorates: 201.
 Chlorides: 217.
 Chlorine: 82.
 Chowan County, North Carolina: 27.
 Chromatophores: 193.
 Chromium: 2.
 Chromium alloys: 134.
 "Chronica fratris Jordani a Giano": 6.
 Church and state in Great Britain: 175.
 Church of England: 305.
 Church societies: 96.
 Citizenship: 75.
 Civil war military pensions: 242.
 Civilization, Rome: 153.
 Classical literature: 353.
 Climate, Maryland: 202.
 Coal: 200, 321.
 Collective bargaining in the lithographic industry: 149.
 Colloids: 233.
 Colorado, geology: 367.
 Colorado, Germans in: 196.
 Colors in Roman ritual: 5.
 Commerce—
 Babylonia: 215.
 Delaware before Revolution: 133.
 United States: 16, 286.
 West Indies, British: 16, 252.
 Comparative literature—
 American and French: 208.
 English and German: 314, 352.
 Italian and French: 251.
 Comparative psychology: 248, 342.

- Complex conics: 222.
 Compounds, unsaturated: 109.
 Conceptions of freedom: 41.
 Condemnation, excess: 65.
 Conic sections: 222.
 "Conjectures on original composition": 314.
 Consolation of philosophy of Boethius: 158.
 Constitution, United States, 14th amendment: 194.
 Constitutional history, France: 64.
 Continuous groups: 37.
 Convents and nunneries, England: 305.
 Cooperative agriculture, California, 63.
 Cooperative marketing: 63.
 Copernicus, Nicolaus: 318.
 Copper: 233.
 Copper alloys: 134.
 Corona (electricity): 33.
 Corporations: 70, 155.
 Corpus Christi festival: 102.
 Cost and standard of living: 186.
 Court and courtiers, Great Britain: 93.
 Cremona cubic surface: 306.
 Cryoscopy: 217.
 Cuba, Iron ores: 274.
 Cultus, Greek: 295.
 Curves, plane: 382 (Sup. 1916).
 Curves, quartic: 268.
 Curves on surfaces: 262, 315.
 Cutts, John Cutts, *baron*: 322.
 Cyclopropane series: 51.
 Damsel-flies of Illinois: 111.
 Danish West Indies under company rule: 349.
 Dante: 102.
 Death: 225.
 Debts, public; Virginia: 247.
 "The deformed," 1830: 197.
 Delaware district, trade of the: 133.
 Deschamps, Eustache: 246.
 Desert flora: 209.
 Destructive distillation: 61, 321.
 Deutsches seminarium, Philadelphia: 141.
 Dialects, German: 284.
 Dialogue: 132.
 Diastase: 337.
 Didactic poetry: 189.
 Dielectrics: 136.
 Diet: 12.
 Differential equations: 139, 271.
 Differential geometry: 382 (Sup. 1916), 59, 226.
 Differential invariants: 228.
 Diplocaulus: 81.
 Dissociation: 161.
 Distillation, destructive: 61, 321.
 Divine comedy: 102.
 Divorce: 256, 297.
 Domestic economy: 186.
 Domestic relations: 256.
 Don Quixote: 53.
 Douglas, Tragedy of: 116.
 Dragon-flies: 111.
 Drama: 132.
 English: 8, 13, 93.
 French: 285.
 German: 8, 237.
 Drift: 187.
 Drosophila: 254.
 Duer, William: 70.
 Dumontia filiformis: 83.
 Dunlap, William: 48.
 Dynamics: 59.
 Echinodermata, embryology: 214.
 Ecology—
 Botany: 110, 341.
 Zoology: 35.
 Education—
 Catholic church: 75.
 Curricula: 142.
 Africa, South: 192.
 Indiana: 301.
 United States: 152, 177.
 Education, agricultural: 87.
 Education, religious: 75, 152.
 Education, secondary: 152, 177.
 Education and state: 75.
 Education of children: 142.
 Education of women: 234.
 Educational psychology: 112, 248, 267, 342, 344.
 Eggs: 12, 355.

- Elections, New Jersey: 23.
 Electric current rectifiers: 103.
 Electric resistance: 323.
 Electric spark: 269.
 Electrodynamics: 229.
 Electrolysis: 131, 211, 290.
 Electrolytes, conductivity of: 148, 161.
 Electromotive force: 103, 205.
 Electrons: 162, 229.
 Embryology, Echinodermata: 214.
 Emerson, Ralph Waldo: 121.
 Eminent domain, United States: 65.
 Employers' liability: 20.
 England—
 Convents and nunneries: 305.
 Learning and scholarship: 1.
 English domestic relations, 1487–1653: 256.
 English drama: 8, 93.
 English fiction: 282.
 English language—
 Old English: 1.
 Pronoun: 317.
 Tense: 311.
 English literature: 393 (Sup. 1916).
 English poetry: 354.
 "Englishmen for my money": 13.
 Epic poetry, German: 282 (Sup. 1913).
 Equations, differential: 139, 271.
 Equations, integral: 347.
 Equestrian order, Rome: 178.
 Espanola district, Ontario: 259.
 Esters: 195, 221.
 Ethics: 49.
 Eustachius, *Saint*: 101.
 Excess condemnation: 65.
 Eye, movements: 120, 287.
 Fecundity: 234.
 Finitist theology: 79.
 Firmeza District: 274.
 Fishes: 164, 339.
 Flaxwilt: 327.
 Florida, botany: 110.
 Fluoran: 170.
 Follen, Charles Theodore Christian: 308.
 France—
 Constitutional history: 64.
 Social conditions: 285, 359.
 Free will and determinism: 41.
 Freedom, Conceptions of: 41.
 French assembly of 1848: 64.
 French drama, history and criticism: 285.
 French in the United States: 84.
 French literature: 359.
 Fruit trade, California: 63.
 Functions: 139.
 Fungi: 345.
 Galsworthy, John: 329.
 Gases: 156, 331.
 Geography of the world's agriculture: 100.
 Geology—
 Arizona: 388 (Sup. 1916).
 British Columbia: 385 (Sup. 1916), 34, 78.
 California: 238.
 Colorado: 367.
 Iowa: 44, 187.
 Maryland: 190.
 Ontario: 259.
 Pennsylvania: 263.
 Rocky Mountains: 328.
 Washington (State): 304.
 Geology, stratigraphic: 44, 238, 328.
 Geometry, analytic: 222.
 Geometry, differential: 382 (Sup. 1916), 59, 226.
 Georgic: 189.
 German actors: 237.
 German-American literature: 166.
 German drama: 8, 237.
 German language—
 Dialects: 284.
 Style: 300.
 Syntax: 183.
 German literature: 348.
 German poetry: 282 (Sup. 1913).
 Germans in Brazil: 284.
 Germans in Colorado: 196.
 Germans in Philadelphia: 141.
 Germans in St. Louis: 237.
 Germany, industrial insurance: 360.

- Germany, Young: 352.
 Gesellschaft zur beförderung des christentums und der nützlichen erkenntnis unter den Deutschen, in America: 141.
 Glucose: 66.
 Governors, Illinois: 71.
 Grading and marking (students): 55, 253, 278.
 Graham Island, British Columbia: 385 (Sup. 1916).
 Grail: 102.
 Great Britain—
 Colonies, commerce: 133.
 Court and courtiers: 93.
 Foreign relations: 288.
 History: 175, 266.
 Unemployed: 219.
 Greek architecture: 231.
 Greek cultus: 295.
 Greek language—
 Participle: 99.
 Semantics: 353.
 Greek language, Biblical: 389 (Sup. 1916).
 Greek literature: 118, 225.
 Greek mythology: 295.
 Grotius, Hugo: 335.
 Groups, continuous: 37.
 Growth: 72.
 Growth (plants): 7, 202.
 Gulf states, History: 84.
 Habits and behavior of animals: 363.
 Hadrianus, *emperor of Rome*: 178.
 Haughton, William: 13.
 Hauptmann, Gerhart Johann Robert: 329.
 Heaven: 354.
 Helderberg limestone: 263.
 Helium: 240.
 Hell: 354.
 Hellenism: 231.
 Heredity: 10.
 Herodotus: 99.
 Hibernation: 261.
 Hidatsa Indians: 356.
 Hinduism: 173.
 Hog cholera: 18.
 Home, John: 116.
 Home labor: 330.
 Household budget: 186.
 Household manufactures in the United States, 1640-1860: 330.
 Hydrazine: 387 (Sup. 1916).
 Hydrazoic acid: 387 (Sup. 1916).
 Hydrocarbons: 176, 321.
 Hydrogen: 296.
 Idaho, botany: 341.
 Ideas, Association of: 212.
 Illegitimacy: 348.
 Illinois—
 Damsel-flies: 111.
 Economic conditions: 185.
 Governors: 71.
 History: 185.
 Transportation: 185.
 Indiana—
 Education: 301.
 Quarries and quarrying: 207.
 Indians of North America, agriculture: 356.
 Industrial accidents: 20.
 Industrial arts, History: 30.
 Industries, United States: 330.
 Infanticide: 348.
 Infra-red spectrum: 309.
 Insurance, Social: 360.
 Integral equations: 347.
 International law and relations: 394 (Sup. 1916).
 Intestines: 3.
 Invariants, Differential: 228.
 Ionization: 9, 162, 340.
 Ionization of gases: 19.
 Ions: 131.
 Iowa—
 Geology: 44, 187.
 Zoology: 35.
 Iowa state federation of labor: 392 (Sup. 1916).
 Iron industry and trade: 265.
 Iron ores, Cuba: 274.
 Isaiah: 302.
 Jacob bar Shakkō: 391 (Sup. 1916).
 Japan, history: 324.
 Japanese in the United States: 313.
 Jewish philosophy: 90.
 John, *king of England*: 338.

- Jonson, Ben: 291.
 Jordanus de Yano: 6.
 Karyokinesis: 45, 254, 351.
 Kinetic theory of gases: 156.
 King John in fact and fiction: 338.
 "Know thyself": 353.
 Kunze, Johann Christoph: 141.
 Labor and laboring classes, United States: 392 (Sup. 1916), 307.
 Ladak: 316.
 Lamartine, Alphonse Marie Louis de: 251.
 Latin language—
 Accents and accentuation: 203.
 Tense: 143.
 Latin literature: 153.
 Latin poetry: 30.
 Law—
 Babylonia: 215.
 Mohammedan: 297.
 United States: 394 (Sup. 1916).
 Lead: 129.
 Learning and scholarship, England: 1.
 Leaves, anatomy: 319.
 Legislative bodies, United States: 135.
 Lenzites sepiaria: 366.
 Lesbos: 295.
 Lima bean: 140.
 Lime: 14.
 Limestone: 263.
 Linear differential equations: 271.
 Liquids: 68.
 Literary art at Rome: 153.
 Literature, comparative—
 American and French: 208.
 English and German: 314, 352.
 Italian and French: 251.
 Lithographic industry: 149.
 Logic, symbolic and mathematical: 4.
 Lysias: 67.
 Machinery in industry: 265.
 Macrosporium: 92.
 Maize: 32.
 Mammals, nervous system: 151.
 Mammary glands: 147.
 Mandrake: 310.
 Manganese: 54.
 Manuscripts, Syriac: 391 (Sup. 1916).
 Marketing, fruit: 63.
 Marriage: 256.
 Marriage law: 297.
 Maryland—
 Climate: 202.
 Geology: 190.
 Mines and mineral resources: 190.
 Masoretic text of Nahum: 239..
 Massachusetts—
 Anthropo-geography: 167.
 Social conditions: 167.
 May-flies: 47.
 Mayūra: 258.
 Medieval philosophy: 90.
 Melting-points: 217.
 Membracidae: 107.
 Memory: 384 (Sup. 1916), 112, 154.
 Mental tests: 31, 165, 277, 278.
 Menthone: 126.
 Mercury: 358.
 Messianic ideal of Isaiah: 302.
 Metabolism: 283 (Sup. 1913).
 Mice: 113, 172.
 Michigan, politics and government: 220.
 Middle states, commerce: 133.
 Military pensions, United States: 242.
 Milky way: 281.
 Milwaukee, unemployed: 159.
 Mineral oils: 61.
 Mines and mineral resources—
 British Columbia: 34.
 Maryland: 190.
 Taxation: 364.
 Minnesota, Poor: 58.
 Minor planets (716): 235.
 Missions, home: 141.
 Mohammedan law: 297.
 Molecular dynamics: 68, 156.
 Morning-glories: 10.
 Morphology, botany: 85, 209.
 Mosaic disease: 106.
 Mosquitoes: 351.
 Motion of fluids in plants: 74.
 Motor abilities of children: 160.
 Mucorineae: 255.

SUBJECT INDEX

- Municipal finance, United States: 236.
- Mystic vision in the Grail legend: 102.
- Mythology, Greek: 295.
- Myxinidae: 52.
- Nahum: 239.
- Names, Assyro Babylonian: 215.
- Naphthalene: 309.
- Narrenschiff: 183.
- Nebulae: 124, 281.
- Nectaries: 171.
- Negroes, education, South Africa: 192.
- Neon: 240.
- Neoplatonism: 128.
- Nerves: 317 (Sup. 1914).
- Nervous system—
 - Fishes: 164.
 - Mammals: 151.
- New England, apprentices: 292.
- New Jersey—
 - Agriculture: 379 (Sup. 1916).
 - Elections: 23.
- New York (City)—
 - History: 89, 250.
 - Politics and government: 89, 250.
 - Theater: 8.
- New York (State)—
 - Apprentices: 292.
 - Taxation: 155.
- Nickel alloys: 134.
- Nitrification: 32.
- Nitrogen compounds: 82.
- Nitrous acid: 387 (Sup. 1916).
- Notion of number and the notion of class: 4.
- Nullification: 380 (Sup. 1916).
- Number concept: 4.
- Numenius, *of Apameia*: 128.
- Nunneries, England: 305.
- Nurses and nursing: 118.
- Oklahoma: 117.
- Old Babylonian business and legal documents: 215.
- Old English scholarship in England from 1566-1800: 1.
- Old Spanish: 381 (Sup. 1916), 146.
- Ontario, geology: 259.
- Oogenesis: 172.
- Open and closed shop: 149.
- Optical illusions: 272.
- Optics, Physical: 243.
- Ore-deposits: 388 (Sup. 1916).
- Organic acids: 195.
- Organic chemistry: 137.
- Orientation of molecules: 68.
- Originality (in literature): 314.
- Oscillations: 333.
- Ovidius Naso, Publius: 361.
- Paleontology, California: 238.
- Palladium: 211.
- Paramaecium: 298.
- Participles in Greek: 99.
- Parties, political—
 - Michigan: 220.
 - United States: 150.
- Pastoral poetry: 189.
- Paterson, N. J.: 70.
- Peach-scab: 168.
- Pedagogical value of willingness for disinterested service: 75.
- Pennsylvania—
 - Geology: 263.
 - Water, underground: 264.
- Pensacola, Fla., history: 84.
- Pensions, military, United States: 242.
- Perception: 275.
- Petition of right: 266.
- Petroleum: 181.
- Petrus Lombardus, *bp. of Paris*: 276.
- Phenacetin: 91.
- Phidias: 332.
- Philadelphia, Deutsches seminarium: 141.
- Philology, English: 1.
- Philosophy: 86.
 - Ancient: 353.
 - Jewish: 90.
 - Medieval: 90.
- Phosphorus: 355.
- Phthalic acid: 230.
- Phthaleins: 170.
- Physical optics: 243.
- Physiology, botany: 74.
- Phytic acid: 24.

- Placenta, diseases: 318 (Sup. 1914).
 Plane curves: 382 (Sup. 1916).
 Planets, minor (716): 235.
 Plant lore: 310.
 Plantation system: 122.
 Plants: 7, 106, 202.
 Plants, effect of chemicals on: 105.
 Plants, effect of gases on: 80.
 Plants, effect of temperature on: 327.
 Plants, motion of fluids in: 74.
 Plautus, Titus Maccius: 143.
 Plecoptera: 303.
 Pleistocene geology of northwestern Iowa: 44.
 Podblight of the lima bean: 140.
 Poetic diction: 11.
 Poetry, didactic: 189.
 Politics and government—
 Athens: 191.
 Central America: 299.
 Michigan: 220.
 New York (City): 89, 250.
 Oklahoma: 117.
 Rome: 289.
 South Carolina: 380 (Sup. 1916).
 United States: 135, 150.
 Virginia: 182, 247.
 Poor—
 Minnesota: 58.
 Wisconsin: 58.
 Potassium: 284 (Sup. 1913).
 Potatoes: 379 (Sup. 1916).
 Potatoes, diseases: 227, 260.
 Primaries: 23.
 Problem of three bodies: 43.
 Profit-sharing: 94.
 Pronoun, English: 317.
 Propane: 51.
 Proteids: 113.
 Protest in Old French literature: 359.
 Psychology, comparative: 248, 342.
 Psychology, educational: 112, 248, 267, 342, 344.
 Psychology, physiological: 386 (Sup. 1916), 160.
 Psychology of arithmetic: 55.
 Psychology of reading: 120, 287.
 Psychology of the teacher: 267.
 Psychophysical judgment: 114.
 Public debts, Virginia: 247.
 Public poor relief: 58.
 Public schools, Bloomington, Ind.: 301.
 Purin: 283 (Sup. 1913).
 Pyrogallol: 91.
 Quarries and quarrying, Indiana: 207.
 Quartic curves: 268.
 Radishes: 336.
 Railroads, Canada: 198.
 Rats: 151, 179, 363.
 Reaction-time: 114, 160.
 Reading (elementary): 123.
 Reading, psychology of: 120, 287.
 Realism: 245.
 Recitation as a factor in memorizing: 112.
 Reconstruction, Virginia: 247.
 Refractive index: 76.
 Reitzel, Robert: 368.
 Religion—
 Assyro-Babylonian: 213.
 Roman: 5.
 Religious education, United States: 152.
 Religious liberty: 175.
 Religious texts from Assur: 213.
 Revolution, American: 182, 286.
 Ritual, colors in: 5.
 Rocky Mountains, geology: 328.
 Roman craftsmen and tradesmen of the early empire: 30.
 Roman ritual, colors in: 5.
 Rome—
 Antiquities: 30.
 Equestrian order: 178.
 Literary art: 153.
 Politics and government: 289.
 Religion: 5.
 Roots (botany): 209.
 Rossland, British Columbia: 34.
 Rotifera: 145.
 Russian revolution: 241.
 Sacra Idulia in Ovid's Fasti: 361.
 Sacraments: 276.
 St. Louis, Theater: 237.
 Saliva: 210.

- Sandstone: 264.
 Sanskrit poems of Mayūra: 258.
 Schiller, Johann Christoph Friedrich von: 39.
 Scholarship, Old English: 1.
 School management and organization: 325.
 Secondary education: 152, 177.
 Sedimentation and deposition: 284 (Sup. 1913).
 Seeds: 125, 336.
 Selachii: 164.
 Selenic acid: 17.
 Senses and sensation: 114, 179.
 Series: 157.
 Series, Cyclopropane: 51.
 Serum: 73.
 Service: 75.
 Shakespeare, William, Norwegian translations: 279.
 Shock: 15.
 Silver ores: 127.
 Single tax: 307.
 Skykomish Basin, Washington: 304.
 Slave labor: 122.
 Smith, Richard Penn: 197.
 Snails: 326.
 Social ethics: 49.
 Social insurance: 360.
 Social problems: 86.
 Social service: 75.
 Socialism in the United States: 166.
 Society for establishing useful manufactures, Paterson, N. J.: 70.
 Sodium: 390 (Sup. 1916).
 Soil moisture: 257.
 Soils: 14, 36.
 Solar system: 318.
 Solubility: 362.
 Solution (chemistry): 9, 29, 136.
 Soul of the Russian revolution: 241.
 South Africa, education: 192.
 South Carolina, politics and government: 380 (Sup. 1916).
 Southern states, History: 122.
 Southey, Robert: 130.
 Soy-bean: 357.
 Space: 90.
 Spaniards in the United States: 84.
 Spanish language—
 Foreign words and phrases: 381 (Sup. 1916).
 Glossaries, vocabularies, etc.: 146.
 Specific heat: 296.
 Spectrum, infra-red: 309.
 Spectrum analysis: 216, 240, 358.
 Spirit-phenomena in the New Testament: 365.
 Standard cells: 312.
 Starch: 337.
 Stark effect in helium: 240.
 Statistics, agricultural: 100.
 Steel industry and trade: 265.
 Stichomythia: 132.
 Stokes neutral red reaction: 293.
 Stratigraphic geology: 44, 238, 328.
 Students: 174, 253.
 Subjectivity in Hindu thought: 173.
 Subterranean water: 264.
 Supercooling: 280.
 Supernatural in literature: 282.
 Surfaces: 306.
 Surfaces, curves on: 262, 315.
 Sycophancy in Athens: 191.
 Symbolic and mathematical logic: 4.
 Syria, architecture: 231.
 Syriac language: 391 (Sup. 1916).
 Syrinx (of birds): 232.
 Tanning: 42.
 Tautomerism: 163.
 Taxation—
 Corporations: 155.
 Mines and mineral resources: 364.
 State: 236.
 New York (State): 155.
 United States: 236, 364.
Taxus canadensis: 85.
 Teaching: 267.
 Teeth, diseases: 210.
 Telegraph, wireless: 26.
 Telkwa River district: 78.
 Telluric acid: 17.
 Tennyson, Alfred Tennyson, 1st baron: 273.
 Tense in English: 311.

- Texas, history: 84.
 Theater—
 New York (city): 8.
 St. Louis: 237.
 Theology: 79.
 Theophrastus: 204.
 Thermo-electricity: 323.
 Thermochemistry: 77, 115.
 Three bodies in three dimensions: 43.
 Thyroid gland: 38.
 Tibet, botany: 316.
 Tin: 119.
 Toluene: 69.
 Trade-unions, United States: 149, 307, 350.
 Tragedy: 204.
 Trajanus, *emperor of Rome*: 178.
 Transcendentalism (New England): 121.
 Transformations (mathematics): 57, 306.
 Transportation, Illinois: 185.
 Transubstantiation: 102.
 Treaty of Berlin, 1878: 288.
 Trees, diseases: 345.
 Trematoda: 320.
 Triangle: 268.
 Trinity in art: 199.
 Trioxymethylene: 176.
 Triphenylcarbinol: 163.
 Trout: 193.
 Underground water: 264.
 Unemployed—
 Great Britain: 219.
 Milwaukee: 159.
 United States: 219.
 United States—
 Agricultural education: 87.
 Commerce: 16, 286.
 Congress: 135.
 Constitution: 64, 194.
 Continental congress: 286.
 Corporations: 70.
 Economic conditions: 330.
 United States—
 Education: 152, 177.
 Eminent domain: 65.
 Foreign relations: 180.
 French in the U. S.: 84.
 Germans in the U. S.: 141, 196, 237.
 History: 286.
 Industries: 70, 330.
 Japanese in the U. S.: 313.
 Labor and laboring classes: 307.
 Law: 394 (Sup. 1916).
 Legislative bodies: 135.
 Military pensions: 242.
 Municipal finance: 236.
 Politics and government: 135, 150.
 Profit-sharing: 94.
 Spaniards in the U. S.: 84.
 Taxation: 236, 364.
 Trade-unions: 149, 307, 350.
 Unemployed: 219.
 Universe, Copernican theory of: 318.
 Unmarried mother in German literature: 348.
 Unsaturated compounds: 109.
 Uredineae: 206.
 Uric acid: 334.
 Variable factors in the Binet tests: 31.
 Variations, Calculus of: 188, 270.
 Vergilius Maro, Publius: 189.
 Verres, C.: 56.
 Veto: 71.
 Virgin Islands of the United States: 349.
 Virginia—
 Politics and government: 182, 247.
 Debts, Public: 247.
 Reconstruction: 247.
 Viscosity: 223, 294.
 Visions: 354.
 Visits to the other world: 354.
 Vital index in development: 72.

- Voltmeter: 25.
Washington (State)—
 Botany: 341.
 Geology: 304.
Wasps, North America: 244.
Water, analysis: 54, 293.
Water, underground: 264.
Water-supply: 54.
West Indies, British—
 Commerce: 16, 252.
 Economic conditions: 252.
West Indies, Danish: 349.
West Virginia, water, Underground:
 264.
Wheat: 24.
Wireless telegraph: 26.
Wisconsin, Poor: 58.
"A woman will have her will": 13.
Women in poetry: 282 (Sup. 1913).
Word-play in the Don Quixote: 53.
Wordsworth, William: 11.
Workmen's compensation: 20.
X-rays: 28, 50, 343.
Yellow peril: 313.
Young, Edward: 314.
Young Germany: 352.
Young people's movement: 96.
Zoology, Iowa: 35.

SECTION IV

ALPHABETICAL LIST, BY UNIVERSITY, OF DOCTORS WHOSE THESES WERE PRINTED IN 1917

With Supplementary Lists, 1913, 1914, and 1916

158464—21—13

193

ALPHABETICAL LIST BY UNIVERSITY 1913, FOURTH SUPPLEMENT

The date following the name indicates year degree was conferred.

UNIVERSITY OF CHICAGO

Long, Eamond Ray, 1919.

SMITH COLLEGE

Gillet, *Mrs.* Myrtle Margaret (Mann), 1912.

UNIVERSITY OF VIRGINIA

Watson, John Wilbur, 1913.

ALPHABETICAL LIST BY UNIVERSITY 1914, THIRD SUPPLEMENT

The date following the name indicates year degree was conferred.

UNIVERSITY OF CHICAGO

Clark, Elbert Howard, 1917.

Lake, Gleason Chandler, 1914.

195

ALPHABETICAL LIST BY UNIVERSITY 1916, SUPPLEMENT

The date following the name indicates year degree was conferred.

UNIVERSITY OF CHICAGO

Harding, Arthur McCracken, 1916. Sprengling, Martin, 1915.

COLUMBIA UNIVERSITY

Lyon, Darwin Oliver, 1917. Mead, Cyrus De Witt, 1915.

CORNELL UNIVERSITY

App, Frank, 1919. Rodgers, Ralph Chapman, 1919.
Overman, Oliver Ralph, 1917.

DROPSIE COLLEGE FOR HEBREW AND COGNATE LEARNING

Reider, Joseph, 1913.

UNIVERSITY OF ILLINOIS

Wright, Philip Quincy, 1915.

UNIVERSITY OF IOWA

Stuckey, Lorin, 1915.

JOHNS HOPKINS UNIVERSITY

Hutchinson, John Foster, 1916.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MacKenzie, John David, 1916.

UNIVERSITY OF MICHIGAN

Boucher, Chauncey Samuel, 1914.

YALE UNIVERSITY

De Forest, John Bellows, 1915. Wells, John Edwin, 1915.
Reber, Louis Ehrhart, jr., 1916.

ALPHABETICAL LIST BY UNIVERSITY, 1917

The date following the name indicates year degree was conferred.

BRYN MAWR COLLEGE

Darkow, Angele Charlotte, 1914.	Minor, Jessie Elizabeth, 1917.
Hanna, Mary Alice, 1917.	Parkhurst, Helen Huss, 1917.
Medes, Grace, 1916.	Smith, Louise Pettibone, 1917.

UNIVERSITY OF CALIFORNIA

Ayres, Arthur Hugo, 1916.	Neubauer, Ferdinand John, 1917.
Boncquet, Pierre Auguste, 1915.	Nomland, Jorgen O., 1916.
Dowell, Carr Thomas, 1915.	Sanford, Roscoe Frank, 1917.
Forbes, Robert Humphrey, 1916.	Sebastian, Reuben Louis, 1916.
Gittinger, Roy, 1916.	Shewhart, Walter Andrew, 1917.
Green, Warren Kimball, 1916.	Van Zandt, John Parker, 1917.
Hine, Thomas Buck, 1916.	Westergaard, Waldemar Christian, 1915.
Marshall, John Albert, 1917.	

CATHOLIC UNIVERSITY OF AMERICA

Auweiler, Edwin J., 1917.	Kelley, Sister Mary Gervase, 1917.
Devlin, Sister Mary Ruth, 1917.	Moran, Sister Mary Evaristus, 1917.
Gorman, Sister Mary Rosaria, 1917.	Rice, Joseph Nelson, 1917.

UNIVERSITY OF CHICAGO

Burget, George Emanuel, 1917.	Harris, Wilmer Carlyle, 1914.
Burkhard, Oscar Carl, 1915.	Hart, William Le Roy, 1916.
Campbell, John William, 1915.	Holtz, Adrian Augustus, 1914.
Carman, Joel Ernest, 1915.	Ishida, Yoshio, 1916.
Cary, William Ernest, 1916.	Jones, Edward Safford, 1917.
Colman, George Tilden, 1914.	Kenoyer, Leslie Alva, 1916.
Counts, George Sylvester, 1916.	Kitch, Ethel May, 1914.
Crosby, Elizabeth Caroline, 1915.	Kitson, Harry Dexter, 1915.
Davies, Earl Claudius Hamilton, 1917.	Koos, Leonard Vincent, 1916.
Denny, Frank Earl, 1916.	Lee, Judson Fiske, 1913.
Doubt, Sarah Lucinda, 1915.	Leighton, Morris Morgan, 1916.
Douthitt, Herman, 1916.	Lofberg, John Oscar, 1914.
Dupler, Alphaeus William, 1916.	MacGibbon, Duncan Alexander, 1915.
Ecker, Enrique Eduardo, 1917.	Markle, Millard S., 1915.
Ellison, Lee Monroe, 1916.	Maynard, John Albert, 1916.
Erb, Frank Otis, 1913.	Meek, Theophile James, 1915.
Evans, Eldon Cobb, 1915.	Menten, Maud Leonora, 1916.
Gano, Laura Campbell, 1912.	Monroe, Walter Scott, 1915.
Gray, Clarence Truman, 1916.	Morrison, Frank Marion, 1913.
Gray, William Scott, 1916.	Pechstein, Louis Augustus, 1916.
Groves, James Frederick, 1915.	Pittenger, Benjamin Floyd, 1916.
Hancock, John Leonard, 1913.	Quirke, Terence Thomas, 1915.

UNIVERSITY OF CHICAGO—Continued

- | | |
|--------------------------------------|----------------------------------|
| Reaves, Samuel Watson, 1915. | Stober, James Palm, 1914. |
| Ritter, Sarah Margaret, 1916. | Tomlinson, Charles Weldon, 1916. |
| Rosenow, Curt, 1917. | Tryon, Rolla Milton, 1915. |
| Ruml, Beardsley, 1917. | Webb, Louie Winfield, 1916. |
| Ruud, Martin Brown, 1915. | Wells, Mary Evelyn, 1915. |
| Schmidt, William Anton, 1916. | Wilkins, Eliza Gregory, 1916. |
| Shields, Margaret Calderwood, 1917. | Willson, Elizabeth, 1917. |
| Steadman, John Marcellus, jr., 1916. | Wylie, Harry Hanes, 1917. |
| Steiner, Jesse Frederick, 1915. | Zaugg, Elmer Harry, 1916. |

CLARK UNIVERSITY

- | | |
|----------------------------------|--------------------------------|
| Bullard, James Atkins, 1917. | Reymert, Martin Luther, 1917. |
| De Busk, Burchard Woodson, 1915. | Slade, William Franklin, 1917. |
| Harrington, Elmer Adna, 1915. | |

COLUMBIA UNIVERSITY

- | | |
|---------------------------------|----------------------------------|
| Boots, Ralph Simpson, 1917. | May, Mark Arthur, 1917. |
| Boyce, Warren Scott, 1917. | Mills, Frederick Cecil, 1917. |
| Brainin, Clement S., 1917. | Mitchell, Benjamin Ernest, 1917. |
| Bruce, Everend Lester, 1915. | Monroe, Kenneth Potter, 1917. |
| Buswell, Arthur Moses, 1917. | Mullins, George Walker, 1917. |
| Coad, Oral Sumner, 1917. | Newcomer, Mabel, 1917. |
| Cronin, Sarah Elizabeth, 1917. | Olgin, Moissaye Joseph, 1918. |
| Crowell, William Ransom, 1917. | Peckham, George Williams, 1916. |
| Cullen, Glenn Ernest, 1917. | Peterson, Arthur Everett, 1917. |
| Curtis, Eugene Newton, 1917. | Pirazzini, Agide, 1917. |
| Cushman, Robert Eugene, 1917. | Plough, Harold Henry, 1917. |
| Dunn, William Edward, 1917. | Powell, Chilton Latham, 1916. |
| Durant, William James, 1917. | Quackenbos, George Payn, 1915. |
| Eaton, Theodore Hildreth, 1917. | Ritt, Joseph Fels, 1917. |
| Edwards, George William, 1917. | Rogers, Elizabeth Frances, 1917. |
| Efros, Israel Isaac, 1916. | Scarborough, Dorothy, 1917. |
| Ehrlich, Jacob, 1917. | Scarlett, Andrew Jackson, 1917. |
| Evans, Ward Vinton, 1917. | Schlesinger, Arthur Meier, 1918. |
| Fisher, John Roberts, 1916. | Seybolt, Robert Francis, 1916. |
| Fisher, Lizette Andrews, 1916. | Shukri, Ahmed, 1916. |
| Folsom, Joseph Kirk, 1917. | Shumway, Waldo, 1916. |
| Gates, Arthur Irving, 1917. | Smith, Henry Lester, 1916. |
| Gray, Henry David, 1905. | Smith, Warren Slocum, 1916. |
| Guthrie, Kenneth Sylvan, 1914. | Sockman, Ralph Washington, 1917. |
| Haller, William, 1916. | Stewart, Ralph Randles, 1916. |
| Harris, Clarence Peavy, 1917. | Stimson, Dorothy, 1917. |
| Heckert, John Walter, 1916. | Suydam, John Richard, 1917. |
| Hoagland, Henry Elmer, 1917. | Takahashi, Seigo, 1917. |
| James, Glenn, 1918. | Theisen, William Walter, 1917. |
| Klein, Arthur Jay, 1917. | Vreeland, Hamilton, 1917. |
| Leeds, John Bacon, 1918. | Walker, Jennie Ada, 1917. |
| Loram, Charles Templeman, 1918. | Weiss, Harry, 1917. |
| MacHarg, John Brainerd, 1917. | Werner, Oscar Helmuth, 1917. |
| Mantz, Harold Elmer, 1917. | Wood, Mary Morton, 1917. |

CORNELL UNIVERSITY

- | | |
|------------------------------------|------------------------------------|
| Barker, Elmer Eugene, 1914. | Kennedy, John Joseph, 1916. |
| Birch, Raymond Russell, 1916. | Kingery, Hugh McMillan, 1917. |
| Bock, Joseph Carl, 1917. | Lee, Ira Elver, 1915. |
| Bown, Ralph, 1917. | MacArthur, Mildred Sherwood, 1914. |
| Buisson, Johannes Petrus du, 1916. | Mack, Edward Lawrence, 1916. |
| Burkholder, Walter H., 1917. | Murray, Ruby Rivers, 1916. |
| Clemens, Wilbert Amie, 1915. | Myers, Jay Arthur, 1914. |
| Cowles, Frank Hewitt, 1916. | Rasmussen, Andrew Theodore, 1916. |
| Cox, Lewis Clark, 1915. | Sherwood, Clarence McKinley, 1914. |
| Engelder, Carl John, 1917. | Smith, Lucy Wright, 1914. |
| Funkhouser, William Delbert, 1916. | Swisher, Charles Lee, 1917. |
| George, Salem Shihadeh, 1916. | Weeks, Paul Thorne, 1917. |
| Gibbons, Willis Alexander, 1916. | Weimer, James Le Roy, 1916. |
| Heinicke, Arthur John, 1916. | Wilson, Arthur John, 1911. |
| Hill, Reuben Lorenzo, 1915. | Wilson, James Kenneth, 1914. |
| Hunter, Merlin Harold, 1916. | Woodbury, Robert Morse, 1915. |

UNIVERSITY OF DENVER

- Ziegler, Victor, 1917.

GEORGE WASHINGTON UNIVERSITY

- Harter, Leonard Lee, 1917.

HARVARD UNIVERSITY

- | | |
|---------------------------------|-------------------------------|
| Conant, James Bryant, 1916. | Hall, Norris Folger, 1917. |
| Davis, Harold Simmonds, 1914. | McMahon, Amos Philip, 1916. |
| Davis, Joseph Stancliffe, 1913. | Meldrum, William Buell, 1914. |

UNIVERSITY OF ILLINOIS

- | | |
|---|------------------------------------|
| Anderson, Harry Warren, 1917. | Harder, Oscar Edward, 1915. |
| Ball, Theodore Rolly, 1916. | Rogers, Anna Sophie, 1917. |
| Braley, Silas Alonzo, 1917. | Spindler, George Washington, 1916. |
| Conel, Jesse Le Roy, 1916. | Steinke, Martin William, 1914. |
| Corson, Harry Peach, 1915. | Stunkard, Horace Wesley, 1916. |
| Debel, Niels Henriksen, 1916. | Waggoner, Harry Dwight, 1916. |
| Elliott, John Asbury, 1916. | Young, Lewis Emanuel, 1915. |
| Garman, Philip, 1916. | |
| Geiling, Eugene Maximilian Karl,
1917. | |

INDIANA UNIVERSITY

- Mance, Grover Cleveland, 1915.

UNIVERSITY OF IOWA

- | | |
|--------------------------------|-----------------------------|
| Brumfiel, Daniel Milton, 1917. | Vannoy, Charles Amzi, 1914. |
|--------------------------------|-----------------------------|

JOHNS HOPKINS UNIVERSITY

- | | |
|---------------------------------|-----------------------------------|
| Armstrong, Mary Emma, 1915. | Meggers, William Frederick, 1917. |
| Brown, William Stephen, 1916. | Millspaugh, Arthur Chester, 1916. |
| Dickey, Robert William, 1916. | Murnaghan, Francis Dominic, 1916. |
| Dotterer, Ray Harbaugh, 1917. | Reeside, John Bernard, 1915. |
| Dunn, Grace Adelaide, 1915. | Reeves, Frank, 1916. |
| Emmet, Boris, 1917. | Robinson, Edna Moore, 1917. |
| Johnson, Buford Jennette, 1916. | Shields, Emily Ledyard, 1915. |
| Johnson, Harry Isaac, 1917. | Sousley, Clarence Piersall, 1915. |
| Leake, James Miller, 1914. | Starck, Adolf Taylor, 1916. |
| Lilly, Marie Loretto, 1916. | Weglein, David Emrich, 1916. |
| Little, Homer Payson, 1910. | Weyforth, William Oswald, 1915. |
| Lyons, Edward, 1917. | Wilson, Lucy, 1917. |
| McLean, Forman Taylor, 1915. | Wroth, Benjamin Blackiston, 1916. |

LELAND STANFORD JUNIOR UNIVERSITY

- | | |
|----------------------------|----------------------------------|
| Guild, Frank Nelson, 1917. | Neal, Roland, 1915. |
| Hammond, Philo Fay, 1916. | Stidston, Russell Osborne, 1914. |

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

- | | |
|------------------------------|-------------------------------|
| Dickson, John Bernard, 1917. | MacRae, Duncan, 1917. |
| Dolmage, Victor, 1917. | Venable, Charles Scott, 1917. |

UNIVERSITY OF MICHIGAN

- | | |
|-------------------------------------|---------------------------------|
| Brigham, Reed Oshea, 1916. | Rich, Daniel Leslie, 1915. |
| De Kruif, Paul Henry, 1916. | Rykenboer, Edward August, 1917. |
| Fitch, Albert Lewis, 1916. | Stang, Ambrose Henry, 1916. |
| Johnson, Laurence Crane, 1916. | Thompson, Elizabeth Lockwood, |
| Mains, Edwin Butterworth, 1916. | 1916. |
| Povah, Alfred Hubert William, 1916. | |

UNIVERSITY OF MINNESOTA

- | | |
|-----------------------------------|------------------------------------|
| Kokatnur, Vaman Ramchandra, 1917. | Weaver, John Ernest, 1916. |
| Relf, Frances Helen, 1916. | Wilson, Gilbert Livingstone, 1916. |

NEW YORK UNIVERSITY

- | | |
|-----------------------------|------------------------------|
| Bedford, Edgar Alden, 1916. | Wallin, Ivan Emmanuel, 1916. |
| Tyler, Hazen Greeley, 1916. | |

NORTHWESTERN UNIVERSITY

- | | |
|--------------------------------|------------------------------|
| Bussey, Gertrude Carman, 1915. | Johnson, Sydney Evans, 1916. |
|--------------------------------|------------------------------|

OHIO STATE UNIVERSITY

- | | |
|---------------------------------|--------------------------|
| Gangloff, Wilmer Charles, 1917. | Stegeman, Gebhard, 1917. |
| Parker, John Bernard, 1915. | |

UNIVERSITY OF PENNSYLVANIA

- | | |
|-----------------------------------|---|
| Alexander, Thomas Rush, 1915. | Nearing, <i>Mrs.</i> Nellie Marguerite (Seeds), 1915. |
| Arms, Richard Allen, 1917. | Nolle, Alfred Henry, 1915. |
| Baker, Louis Charles, 1914. | Oppitz, Louis Kossuth, 1915. |
| Baugh, Albert Croll, 1915. | Reitell, Charles Ervin, 1917. |
| Bell, Herbert Clifford, 1909. | Schappelle, Benjamin Franklin, 1917. |
| Blanchard, Ralph Harrub, 1916. | Scheiffley, William H., 1914. |
| Brewster, Ethel Hampson, 1915. | Sladen, Charles Fischer, 1917. |
| Carothers, Estella Eleanor, 1916. | Swartley, Stanley Simpson, 1917. |
| Fussler, Karl Hartley, 1916. | Trumbauer, Walter Hänrichs. Renner, 1917. |
| Hausmann, Carl Frederick, 1916. | Wallerstein, Ruth Coons, 1917. |
| Heffner, Edward Hoch, 1916. | Whiting, Phineas Westcott, 1916. |
| Holt, Caroline Maude, 1916. | Wright, Horace Wetherill, 1917. |
| Humpstone, Henry Judson, 1917. | Zucker, Adolf Eduard, 1917.. |
| Kamman, William Frederic, 1917. | |
| Keir, Robert Malcolm, 1917. | |
| Learned, Henry Dexter, 1917. | |
| McCullough, Bruce Welker, 1917. | |

PRINCETON UNIVERSITY

- | | |
|-----------------------------------|--------------------------------|
| Bovard, William Miller, 1917. | Lacey, Raymond Henry, 1915. |
| Brigham, Carl Campbell, 1916. | Lane, Henry Higgins, 1915. |
| Compton, Arthur Holly, 1916. | Mack, Edward, 1916. |
| Cumberland, William Wilson, 1916. | Martin, Frederick Henry, 1917. |
| Dale, Julian Kalfus, 1914. | Murray, Steuben Butler, 1912. |
| Goss, Byron Cassius, 1916. | Stetson, John Minor, 1914. |
| Hickernell, Louis Max, 1917. | Waterman, Alan Tower, 1916. |
| Jefferson, Bernard Levi, 1914. | |

UNIVERSITY OF VIRGINIA

- McLemore, James Sugars, 1912.

WASHINGTON UNIVERSITY, ST. LOUIS

- | | |
|---------------------------------|------------------------------|
| Freiberg, George William, 1917. | Zeller, Sanford Myron, 1917. |
|---------------------------------|------------------------------|

UNIVERSITY OF WISCONSIN

- | | |
|--|-----------------------------------|
| Bear, Firman Edward, 1917. | Lowe, John Nicholas, 1915. |
| Benger, Ernest Baden, 1917. | Lowrie, Selden Gale, 1912. |
| Boutwell, Paul Winslow, 1916. | Morse, Warner Jackson, 1912. |
| Crafer, Thomas Woodside Bentley, 1907. | Notz, William Frederick, 1909. |
| Filbey, Edward Joseph, 1908. | Oliver, John William, 1915. |
| Finch, Vernor Clifford, 1916. | Patzner, Otto, 1907. |
| Gray, Lewis Cecil, 1911. | Pulling, Howard Edward, 1915. |
| Gruse, William Arthur, 1916. | Rands, Robert Delafield, 1917. |
| Hill, John, 1913. | Schmitt, Bernadotte Everly, 1910. |
| Hockett, Homer C., 1917. | Scholz, Richard Frederick, 1911. |
| Hooton, Earnest Albert, 1911. | Speck, Peter Alexander, 1915. |
| Johnson, Axel, 1911. | Tisdale, Wendell Holmes, 1917. |
| Keitt, George Wannamaker, 1914. | Whyte, John, 1915. |

YALE UNIVERSITY

Adams, Eleanor Nathalie, 1914.	Lauer, Arnold William, 1917.
Barstow, Marjorie Latta, 1916.	Light, George Heyser, 1916.
Bateman, William George, 1916.	Nyquist, Harry, 1917.
Bishop, Fred Margeson, 1917.	Pearson, Charles Chilton, 1913.
Corley, Ames Haven, 1914.	Pitman, Frank Wesley, 1914.
Gipson, Alice Edna, 1916.	Rider, Paul Reece, 1915.
Harlow, Ralph Volney, 1913.	Roesler, Max, 1916.
Johnson, John Bertrand, 1917.	Selin, William Edward, 1917.
Latourette, Kenneth Scott, 1909.	



221

